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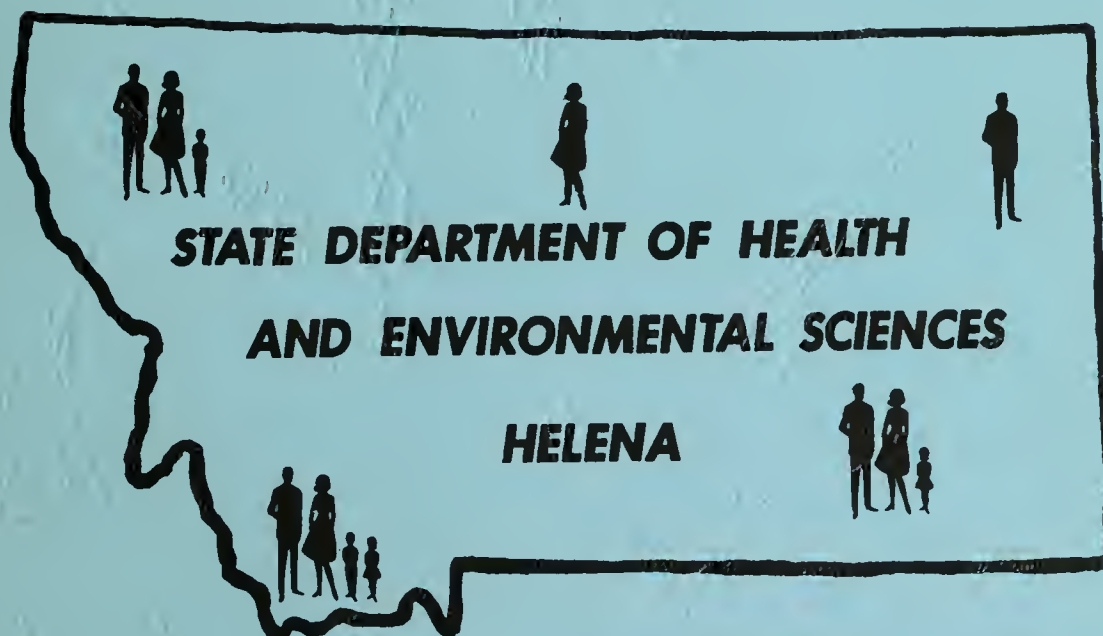
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VITAL STATISTICS

1971



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MONTANA
VITAL STATISTICS
1971

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SYMBOLS USED IN THIS REPORT

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INTRODUCTION

The purpose of this report is to provide a ready reference of some of the more frequently used vital statistics for Montana. Since the report is primarily intended for reference, analysis and interpretation have been kept to a minimum. Where space permits, the 1971 data are accompanied by figures for the previous year or years so that comparisons may be made. The information published here is limited to that felt to be of general interest. In most cases, more detailed information is available upon request.

The sources of data shown in the tabulations in this report are records collected by the Montana Department of Health and Environmental Sciences. These include certificates of birth, death, and fetal death (stillbirth) and records of marriage, divorce, and morbidity.

LIMITATIONS OF THESE DATA

Completeness of Registration and Reporting

Few restrictions need be imposed upon the interpretation of tabulations of birth and death data in this report because of incompleteness. Completeness of birth registration in Montana was tested in 1950 as a part of a nationwide study made by the Bureau of the Census. This showed Montana's registration of births to be 99.5% complete. Registration of deaths is felt to be more complete. A death certificate must be filed in Montana before a permit for burial or removal can be issued.

No measure of the completeness of reporting of fetal deaths (stillbirths) is available. A more important limitation to consider in interpreting data on this subject is: the variation among the several states as to the definition of what constitutes a fetal death.

Original records of marriage and divorce are not filed in this office. The office does file original birth and death certificates. Transcripts, containing selected items of information on the original marriage and divorce records, are made by local Clerks of Court to be filed at the state level. No formal tests of completeness have been made on this reporting. Experience suggests that marriages and divorces are reported as completely as births and deaths.

Delay in Filing

Very few records are filed for events that occurred in the year covered by this report that are not included in these tabulations. All records for 1971 which were received during that year or by May 1, 1972, are included in this report. Records received after this deadline are not included in these tabulations. Such records constitute a small fraction of one percent of all types of records.

Geographic Allocation

Births and deaths may be tabulated by place of occurrence or by place of residence of the person involved. For deaths, the place of residence is the usual residence of the decedent. For births, the usual residence of the child is the same as that of the mother.

Interstate exchange of transcripts of certificates for persons whose residence was in a state other than the one in which the event occurred permits tabulation by place of residence. Titles of tables in this report indicate whether the data are by residence or occurrence.

Deaths in hospitals, sanatoria, and other institutions are allocated to the place of previous residence, regardless of the length of stay in the institution. This affects the rates for counties with state institutions. For census enumeration purposes, these persons are considered to be residents of the county where the institution is located. For vital statistics purposes, they are considered to be residents of the county where they resided prior to entering the institution. Rates for Deer Lodge County are most affected.

Medical Certification

Causes of death reported on death certificates are classified according to the Eighth Revision of the International Classification of Diseases, Adapted for Use in the United States. The coding procedures used in connection with this classification attempt to allocate death to what the attending physician considers to be the underlying cause.

The medical certification section of the Montana Death Certificate serves to obtain information on the causal and chronological sequence of events leading to death. It consists of two parts with space for indicating the interval between onset and death for each condition. Part I is used for reporting the causes leading directly to death. Part II is for reporting any other important diseases or conditions that influenced the course of the illness unfavorably, thus contributing to the fatal outcome, but which were not related to the disease or condition reported as the immediate cause of death. To illustrate, a medical certification might read as follows:

Part I. Death was caused by:

Immediate cause (a) postoperative bronchial pneumonia

Due to (b) lobectomy

Due to (c) primary cancer of lung

Part II.

Hypertensive cardiovascular disease

This death would be assigned to International List rubric 162.1 (Malignant neoplasm of bronchus and lung).

Deaths are classified under this philosophy whenever possible.

Exceptions must be made when the underlying cause is not apparent from the certification and when clarification cannot be secured. In these instances, a system of rules is applied to select the probable underlying cause.

Age and Race

Classification of vital events by age and race introduces difficulties because of incorrect entries.

A common error in the reporting of age is evident in the frequent reporting of ages ending in 0 and 5. Theory suggests this to be due to a tendency for persons to round their ages. In addition, it is felt that persons under 21 and those in the older age groups have a tendency to overstate their age. An attempt has been made in this report to offset some of these difficulties by grouping ages. In this way, the overstatement of ages ending in 0 and 5 is grouped in with the understatement of ages ending in other digits.

The tabulation of vital events by race has limitations where persons of mixed blood are involved. In general, the statement of race on the certificate reflects the opinion of the informant. It does not necessarily follow any prescribed rules for the reporting of race. Information on race presented in this report is shown simply as "white" and "other". This makes it possible to classify all but a few deaths, and there is little confusion with concepts of nationality, country of origin of parents, or other characteristics. In the racial classification used in this report, white includes "Mexican".

Legitimacy

The Montana Certificate of Live Birth does not contain an item regarding the legitimacy status of the child. The regulations of the Montana Board of Health and Environmental Sciences require that: "If the mother was not married at the time of the birth, and had not been married within ten months of the birth the name of the father must not be entered on the certificate of birth unless accompanied by the written consent of both the mother and the father.

An illegitimate birth can only be inferred from the omission of the father's name on a certificate or for those certificates accompanied by the required affidavits, if the father's name is shown. Individual consideration is given to the legitimacy status to be used for statistical purpose of those certificates where the surname appearing in the mother's signature does not agree with the surname of the father.

Limitations of Small Numbers

The occurrence of events recorded in this publication is subject to chance variation. For example, an infant death at 11:59 P.M. on December 31 would be counted in one year; however, if the infant lived only two minutes longer and died at 12:01, the death would be counted in the following year. This phenomenon is not of great importance for counties with substantial populations since the relative number of infant deaths will not be greatly affected by one event. In the case of counties with small populations, the occurrence of even one event may produce a rate which is well above the average for the state.

When the number of events is displayed, the occurrence of small numbers is obvious. However, when rates or percentages are shown, the fact that they may be based on small numbers of events may not be immediately apparent.

In some instances an attempt is made to ameliorate the problem by adding data together for several years (for example, the five-year infant death rates shown in Table 14). Use of multi-year rates must be balanced by consideration of the fact that such rates may conceal changes in trends within the period under scrutiny.

Population Estimates

The Bureau of Business and Economic Research, University of Montana, has the responsibility for preparation of county population estimates. Since estimates for July 1, 1971, were not available at the time of publication of this report, we have shown the populations as enumerated in the Federal Census taken as of April 1, 1970. A provisional estimate of the Bureau of Census shows the 1971 state population as 708,000.

Definitions

Following are definitions of selected terms as they are used in this publication:

CRUDE BIRTH RATE - relates the number of live births to the total population. It is computed as follows:

$$\text{Annual crude birth rate} = \frac{\text{Annual number of live births}}{\text{Midyear population}} \times 1,000$$

CRUDE DEATH RATE - relates the number of deaths to the total population. It is computed as follows:

$$\text{Annual crude death rate} = \frac{\text{Annual number of deaths}}{\text{Midyear population}} \times 1,000$$

FERTILITY RATE - relates total births to an approximation of the population exposed to risk. The denominator is limited to women in the main childbearing ages. It is computed as follows:

$$\text{Annual general fertility rate} = \frac{\text{Annual number of live births}}{\text{Midyear population of women 15-44 years of age}} \times 1,000$$

FETAL DEATH - the birth of a fetus after 20 weeks of gestation which shows no evidence of life after complete birth (this is, no action of the heart, breathing, or movement of voluntary muscles).

FETAL DEATH RATIO - relates fetal deaths to live births. It is computed as follows:

$$\text{Annual fetal death ratio} = \frac{\text{Annual number of fetal deaths}}{\text{Annual number of live births}} \times 1,000$$

FIVE-YEAR INFANT MORTALITY RATE - relates the number of deaths under 1 year of age to the number of live births. It is calculated as follows:

$$\text{Five-year infant mortality rate} = \frac{\text{Number of deaths under 1 year of age over a five-year period}}{\text{Number of live births over the same five-year period}} \times 1,000$$

ILLEGITIMACY RATIO - relates out-of-wedlock live births to total live births. It is computed as follows:

$$\text{Annual illegitimacy ratio} = \frac{\text{Annual number of illegitimate live births}}{\text{Annual number of all live births}} \times 1,000$$

INFANT DEATH - the death of a person under 1 year of age.

LIVE BIRTH - birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

MATERNAL DEATH RATE - measures the risk of death from deliveries and complications of pregnancy, childbirth, and the puerperium. It is computed as follows:

$$\text{Annual maternal mortality rate} = \frac{\text{Annual number of deaths attributed to maternal conditions}}{\text{Annual number of live births}} \times 100,000$$

NEONATAL DEATH - the death of an infant under 28 days of age.

OCCURRENCE - where an event takes place regardless of the usual residence of the person involved.

PREMATURE (IMMATURE) INFANT - a live born infant with a birthweight of 5 pounds 8 ounces (2,500 grams) or less.

RESIDENCE - for deaths, this refers to the usual residence of the decedent. For births and fetal deaths it refers to the usual residence of the mother.

MONTANA

Counties and Cities:

- 1. VALLEY: SCOBEE, DAMIELS, SHERIDAN, PLENTYWOOD, ROOSEVELT, WOLF POINT, GLASGOW
- 2. MCCOMB: RICHMOND, SIDNEY, OAKS, GLENDALE, CIRCLE
- 3. GARFIELD: JORDAN, PETROLEUM, WINNETT, FERGUS, LEWISTOWN, MUSSELSWELL, ROUNDOUP, GOLDEN VALLEY, RYEGATE, SWEET GRASS, BIG TIMBER, STILLWATER, COLUMBUS, CARBON, RED LODGE, BIG HORN, TREASURE, ROSEBUD, FORSYTH, HYSHAM
- 4. BLAINE: CHINOOK, MAYRE, LIBERTY, CHESTER, SHELBY, TOOLE, GLACIER, CUTBANK, PONDERA, CONRAD, CHOTEAU, FORT BENTON, CROFTON
- 5. MILLS: CHINOOK, MAYRE, LIBERTY, CHESTER, SHELBY, TOOLE, GLACIER, CUTBANK, PONDERA, CONRAD, CHOTEAU, FORT BENTON, CROFTON
- 6. GREAT FALLS: CASCADIA, LEWIS AND CLARK, POWELL, MISSOULA, MINERAL, SUPERIOR, SANDERS, POLSON, THOMPSON FALLS, FLATHEAD, KALISPELL
- 7. BILLINGS: MUSSELSWELL, ROUNDOUP, GOLDEN VALLEY, RYEGATE, SWEET GRASS, BIG TIMBER, STILLWATER, COLUMBUS, CARBON, RED LODGE, BIG HORN, TREASURE, ROSEBUD, FORSYTH, HYSHAM
- 8. JUDITH BASIN: STANFORD, JUDITH, FERGUS, LEWISTOWN, MUSSELSWELL, ROUNDOUP, GOLDEN VALLEY, RYEGATE, SWEET GRASS, BIG TIMBER, STILLWATER, COLUMBUS, CARBON, RED LODGE, BIG HORN, TREASURE, ROSEBUD, FORSYTH, HYSHAM
- 9. DEER LODGE: GRANITE, PHILIPS, HAMILTON, RAVALLI, DEER LODGE, SILVER BOW, BOZEMAN, GALLATIN, LIVINGSTON, PARK, MADISON, VIRGINIA CITY, BEAVERHEAD, DILLON
- 10. HELENA: HELENA, BOULDER, TOWNSEND, BROADWATER, WHITE SULPHUR SPRINGS, MEAGHER, WHEATLAND, HARLOWTON, GOLDEN VALLEY, RYEGATE, SWEET GRASS, BIG TIMBER, STILLWATER, COLUMBUS, CARBON, RED LODGE, BIG HORN, TREASURE, ROSEBUD, FORSYTH, HYSHAM
- 11. MISSOULA: MISSOULA, MINERAL, SUPERIOR, SANDERS, POLSON, THOMPSON FALLS, FLATHEAD, KALISPELL
- 12. BEAVERHEAD: BEAVERHEAD, DILLON, MADISON, VIRGINIA CITY

GENERAL

HISTORICAL

POPULATION

RESIDENCE

OCCURRENCE

RACE

CHART 2

RATE OF NATURAL INCREASE : Montana, 1920 - 1971

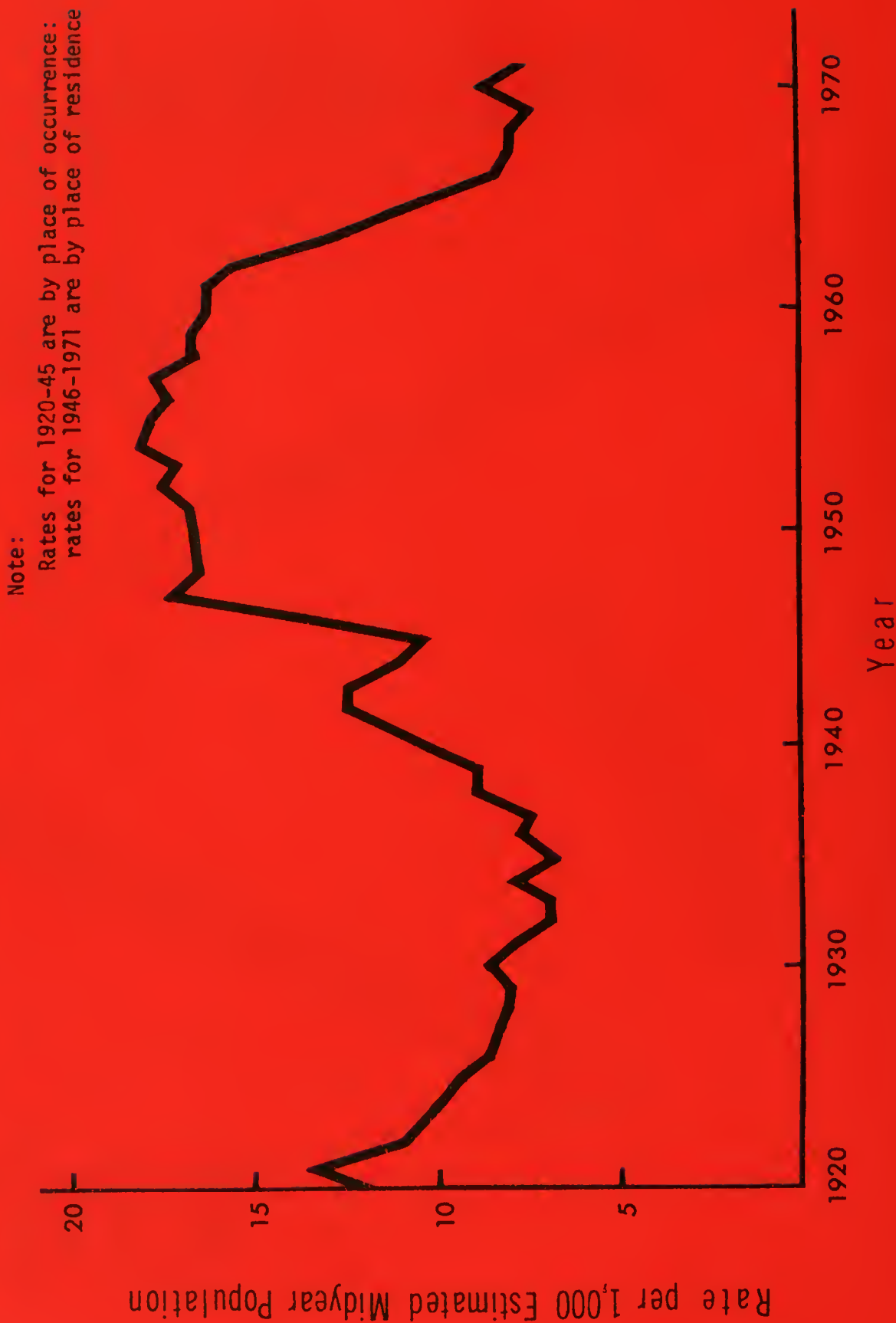


TABLE 1

DEATHS, LIVE BIRTHS, FETAL, INFANT, AND MATERNAL DEATHS

MONTANA, 1910-1971

DEATHS EXCLUSIVE OF FETAL DEATHS. DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE.
DATA FOR 1946-1971 ARE BY PLACE OF RESIDENCE.

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
		NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATIO**	NUMBER	RATE**	NUMBER	RATE***
1910	376,053	3,999	10.6	6,124	16.3	---	---	714	116.6	62	1012.4
1915	466,067	5,072	10.8	11,132	23.8	---	---	816	73.3	91	817.5
1916	486,028	5,791	11.9	11,300	23.2	---	---	970	85.8	108	955.8
1917	503,989	6,589	13.1	11,600	23.0	---	---	1,090	94.0	143	1232.8
1918	521,950	8,985	17.2	11,800	22.6	---	---	1,027	87.0	184	1559.3
1919	539,911	5,786	10.7	12,017	22.3	---	---	962	80.1	141	1173.3
1920	548,339	5,289	9.6	11,862	21.6	---	---	862	72.7	104	876.7
1921	547,238	4,693	8.6	12,127	22.2	---	---	805	66.4	89	733.9
1922	546,137	5,083	9.3	11,060	20.3	328	29.7	763	69.0	86	777.6
1923	545,036	4,893	9.0	10,524	19.3	307	29.2	748	71.1	79	750.7
1924	543,935	4,970	9.1	10,283	18.9	314	30.5	683	66.4	67	651.6
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1926	541,733	5,395	10.0	10,008	18.5	313	31.3	757	75.6	79	789.4
1927	540,632	5,342	9.9	9,875	18.3	314	31.8	651	65.9	65	658.2
1928	539,531	5,780	10.7	10,072	18.7	341	33.9	612	60.8	75	744.6
1929	538,430	5,748	10.7	10,080	18.7	290	28.8	640	63.5	84	833.3
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1931	540,337	5,280	9.8	9,638	17.8	309	32.1	583	60.5	70	726.3
1932	542,522	5,294	9.8	9,091	16.8	254	27.9	467	51.4	60	660.0
1933	544,707	5,212	9.6	8,953	16.4	235	26.2	461	51.5	51	569.6
1934	546,892	5,617	10.3	9,949	18.2	244	24.5	532	53.5	57	572.9
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1936	551,262	6,255	11.3	10,400	18.9	227	21.8	593	57.0	57	548.1
1937	553,447	6,128	11.1	10,248	18.5	232	22.6	518	50.5	38	370.8
1938	555,632	5,684	10.2	10,673	19.2	250	23.4	486	45.5	35	327.9
1939	557,817	5,901	10.6	10,897	19.5	212	19.5	534	49.0	35	321.2
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1941	530,000	5,673	10.7	11,545	21.8	227	19.7	438	37.9	21	181.9
1942	500,000	5,516	11.0	11,735	23.5	207	17.6	395	33.7	26	221.6
1943	470,033	5,601	11.9	11,407	24.3	212	18.6	442	38.7	20	175.3
1944	487,300	5,662	11.6	10,943	22.5	184	16.8	395	36.1	16	146.2
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,126	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	24.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	0.0

* PER 1,000 ESTIMATED POPULATION.

** PER 1,000 LIVE BIRTHS.

*** PER 100,000 LIVE BIRTHS.

THE 1940, 1950, 1960, AND 1970 POPULATIONS ARE THOSE ENUMERATED AS OF APRIL 1.

TABLE 2

POPULATIONS

MONTANA COUNTIES, 1960 AND 1970

COUNTY	1970 CENSUS ENUMERATION	1960 CENSUS ENUMERATION	COUNTY	1970 CENSUS ENUMERATION	1960 CENSUS ENUMERATION
MONTANA, TOTAL	694,409	674,767			
BEAVERHEAD	8,187	7,194	MADISON	5,014	5,211
BIG HORN	10,057	10,007	MEAGHER	2,122	2,616
BLAINE	6,727	8,091	MINERAL	2,958	3,037
BROADWATER	2,526	2,804	MISSOULA	58,263	44,663
CARBON	7,080	8,317	MUSSELSHELL	3,734	4,888
CARTER	1,956	2,493	PARK	11,197	13,168
CASCADE	81,804	73,418	PETROLEUM	675	894
CHOUTEAU	6,473	7,348	PHILLIPS	5,386	6,027
CUSTER	12,174	13,227	PONDERA	6,611	7,653
DANIELS	3,083	3,755	POWDER RIVER	2,862	2,485
DAWSON	11,269	12,314	POWELL	6,660	7,002
DEER LODGE	15,652	18,640	PRAIRIE	1,752	2,318
FALLON	4,050	3,997	RAVALLI	14,409	12,341
FERGUS	12,611	14,018	RICHLAND	9,837	10,504
FLATHEAD	39,460	32,965	ROOSEVELT	10,365	11,731
GALLATIN	32,505	26,045	ROSEBUD	6,032	6,187
GARFIELD	1,796	1,981	SANDERS	7,093	6,880
GLACIER	10,783	11,565	SHERIDAN	5,779	6,458
GOLDEN VALLEY	931	1,203	SILVER BOW	41,981	46,454
GRANITE	2,737	3,014	STILLWATER	4,632	5,526
HILL	17,358	18,653	SWEET GRASS	2,980	3,290
JEFFERSON	5,238	4,297	TETON	6,116	7,295
JUDITH BASIN	2,667	3,085	TOOLE	5,839	7,904
LAKE	14,445	13,104	TREASURE	1,069	1,345
LEWIS & CLARK	33,281	28,006	VALLEY	11,471	17,080
LIBERTY	2,359	2,624	WHEATLAND	2,529	3,026
LINCOLN	18,063	12,537	WIBAUX	1,465	1,698
MCCONE	2,875	3,321	YELLOWSTONE	87,367	79,016
			YELLOWSTONE PRK	64	47

TABLE 3

DEATHS, LIVE BIRTHS, FETAL, INFANT AND MATERNAL DEATHS

MONTANA COUNTIES, 1971
 BY PLACE OF OCCURRENCE AND BY PLACE OF RESIDENCE. DEATHS EXCLUSIVE OF FETAL DEATHS

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	6,749	6,860	12,229	12,347	126	127	253	267	-	-
BEAVERHEAD	98	109	91	129	1	1	2	4	-	-
BIG HORN	68	86	249	238	1	2	6	9	-	-
BLAINE	42	73	69	140	-	1	2	5	-	-
BROADWATER	18	20	37	43	-	-	1	2	-	-
CARBON	92	180	52	89	1	-	-	1	-	-
CARTER	21	20	24	30	-	1	-	1	-	-
CASCADE	757	667	1,650	1,598	23	20	32	30	-	-
CHOUTEAU	48	57	47	74	-	-	1	2	-	-
CUSTER	148	137	360	189	3	2	11	3	-	-
DANIELS	58	68	55	51	-	-	2	2	-	-
DAWSON	84	88	211	213	2	2	4	5	-	-
DEER LODGE	283	172	224	247	4	6	4	7	-	-
FALLON	16	28	38	71	-	2	1	4	-	-
FERGUS	123	144	205	200	3	3	3	3	-	-
FLATHEAD	355	397	746	632	5	4	9	9	-	-
GALLATIN	239	226	589	571	3	2	10	9	-	-
GARFIELD	19	20	11	22	-	-	-	-	-	-
GLACIER	99	113	226	226	4	3	3	3	-	-
GOLDEN VALLEY	3	7	-	14	-	-	-	-	-	-
GRANITE	16	21	19	45	1	1	-	1	-	-
HILL	142	131	401	327	7	5	4	1	-	-
JEFFERSON	48	44	1	82	-	2	3	1	-	-
JUDITH BASIN	8	13	-	35	-	1	-	-	-	-
LAKE	168	181	221	237	4	4	3	6	-	-
LEWIS & CLARK	384	325	740	609	5	3	10	13	-	-
LIBERTY	25	23	48	38	-	-	-	-	-	-
LINCOLN	108	146	193	341	3	4	4	5	-	-
MCCONE	38	42	34	63	1	1	3	3	-	-
MADISON	58	88	75	68	-	-	2	1	-	-
MEAGHER	22	29	24	33	1	1	-	-	-	-
MINERAL	14	26	4	58	-	-	-	2	-	-
MISSOULA	508	443	1,178	1,041	8	7	18	18	-	-
MUSSELSHELL	48	52	14	40	1	-	1	1	-	-
PARK	129	144	206	193	1	2	4	5	-	-
PETROLEUM	4	9	-	11	-	-	-	-	-	-
PHILLIPS	53	60	51	74	-	1	2	3	-	-
PONDERA	74	77	114	102	1	3	1	2	-	-
POWDER RIVER	8	14	1	54	-	-	1	1	-	-
POWELL	56	83	86	117	1	2	2	5	-	-
PRAIRIE	22	21	20	37	-	-	-	-	-	-
RAVALLI	163	191	152	181	3	3	6	5	-	-
RICHLAND	105	104	208	179	3	3	3	3	-	-
ROOSEVELT	118	129	268	268	-	-	13	14	-	-
ROSEBUD	49	70	30	179	-	1	-	2	-	-
SANDERS	106	99	107	108	-	-	2	2	-	-
SHERIDAN	69	82	76	71	-	-	-	-	-	-
SILVER BOW	565	629	830	769	17	14	23	22	-	-
STILLWATER	68	57	87	71	-	-	2	1	-	-
SWEET GRASS	39	40	33	57	-	-	-	1	-	-
TETON	52	88	89	89	-	1	2	1	-	-
TOOLE	51	65	43	85	-	-	1	1	-	-
TREASURE	1	7	-	30	-	-	-	1	-	-
VALLEY	88	99	196	220	1	-	4	5	-	-
WHEATLAND	38	37	24	32	1	1	1	1	-	-
WIBAUX	8	23	-	21	-	1	-	-	-	-
YELLOWSTONE	748	656	1,772	1,605	17	17	47	41	-	-

TABLE 4

DEATHS, LIVE BIRTHS, AND FETAL DEATHS BY RACE

MONTANA COUNTIES, 1971
BY PLACE OF RESIDENCE

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS				
	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	TOTAL	WHITE*	INDIAN	OTHER	UNKNOWN
MONTANA, TOTAL	6,860	6,538	304	23	12,347	11,145	1,069	133	127	112	14	-	1
BEAVERHEAD	109	200	-	-	129	127	-	2	1	1	-	-	-
BIG HORN	86	40	40	-	238	90	136	3	2	-	2	-	-
BLAINE	73	52	21	-	140	75	65	-	1	1	-	-	-
BROADWATER	20	20	-	-	43	43	-	-	-	-	-	-	-
CARBON	140	139	-	1	89	88	-	1	-	-	-	-	-
CARTER	20	20	-	-	30	30	-	-	1	1	-	-	-
CASCADE	607	609	13	5	1,598	1,486	75	37	20	19	1	-	-
CHOUTEAU	57	56	1	-	74	74	-	-	-	-	-	-	-
CUSTER	137	136	-	1	189	185	2	2	2	2	-	-	-
DANIELS	50	57	1	-	51	50	-	1	-	-	-	-	-
DAWSON	88	88	-	-	213	210	3	-	2	2	-	-	-
DEER LODGE	172	171	-	1	247	234	7	6	6	4	1	-	1
FALLON	28	20	-	-	71	69	2	-	2	2	-	-	-
FERGUS	144	141	2	1	200	193	6	1	3	3	-	-	-
FLATHEAD	397	396	1	-	632	618	13	1	4	4	-	-	-
GALLATIN	226	223	1	2	571	554	10	7	2	2	-	-	-
GARFIELD	20	20	-	-	22	22	-	-	-	-	-	-	-
GLACIER	113	63	40	-	226	67	150	9	3	-	3	-	-
GOLDEN VALLEY	7	7	-	-	14	14	-	-	-	-	-	-	-
GRANITE	31	21	-	-	45	43	2	-	1	1	-	-	-
HILL	131	120	9	2	327	258	64	5	5	4	1	-	-
JEFFERSON	44	44	-	-	82	82	-	-	2	2	-	-	-
JUDITH BASIN	13	13	-	-	35	35	-	-	1	1	-	-	-
LAKE	181	140	41	-	237	151	85	1	4	1	3	-	-
LEWIS & CLARK	325	320	3	2	609	582	21	6	3	3	-	-	-
LIBERTY	23	23	-	-	38	37	-	1	-	-	-	-	-
LINCOLN	146	146	-	-	341	333	7	1	4	4	-	-	-
MCCONE	42	42	-	-	63	61	1	1	1	1	-	-	-
MADISON	68	68	-	-	68	67	1	-	-	-	-	-	-
MEAGHER	29	28	-	1	33	32	1	-	1	1	-	-	-
MINERAL	26	26	-	-	58	56	-	3	-	-	-	-	-
MISSOULA	443	437	6	-	1,041	1,005	27	9	7	7	-	-	-
MUSSELSHELL	52	52	-	-	40	40	-	-	-	-	-	-	-
PARK	144	144	-	-	193	191	2	-	2	2	-	-	-
PETROLEUM	9	9	-	-	11	11	-	-	-	-	-	-	-
PHILLIPS	60	58	2	-	74	65	9	-	1	1	-	-	-
PONDERA	77	73	4	-	102	84	18	-	3	2	1	-	-
POWDER RIVER	14	14	-	-	54	54	-	-	-	-	-	-	-
POWELL	63	63	-	-	117	114	3	-	2	2	-	-	-
PRAIRIE	21	21	-	-	37	35	2	-	-	-	-	-	-
RAVALLI	191	190	-	1	181	170	9	2	3	3	-	-	-
RICHLAND	104	104	-	-	179	178	1	-	3	3	-	-	-
ROOSEVELT	139	76	63	-	268	126	140	2	-	-	-	-	-
ROSEBUD	70	56	15	-	179	89	90	-	1	1	-	-	-
SANDERS	99	97	2	-	108	92	15	1	-	-	-	-	-
SHERIDAN	72	70	2	-	71	70	-	1	-	-	-	-	-
SILVER BOW	629	624	2	3	769	747	17	5	14	14	-	-	-
STILLWATER	57	57	-	-	71	71	-	-	-	-	-	-	-
SWEET GRASS	40	40	-	-	57	57	-	-	-	-	-	-	-
TETON	68	67	1	-	89	86	2	1	1	1	-	-	-
TODDLE	65	63	2	-	85	71	4	10	-	-	-	-	-
TREASURE	7	6	1	-	30	28	2	-	-	-	-	-	-
VALLEY	99	94	5	-	220	181	38	1	-	-	-	-	-
WHEATLAND	37	37	-	-	32	32	-	-	1	1	-	-	-
WIBAUX	23	23	-	-	21	21	-	-	1	1	-	-	-
YELLOWSTONE	656	647	6	3	1,605	1,553	39	13	17	15	2	-	-

* WHITE INCLUDES MEXICAN.

BIRTHS

SEX

MULTIPLE

LEGITIMACY

BIRTH ORDER

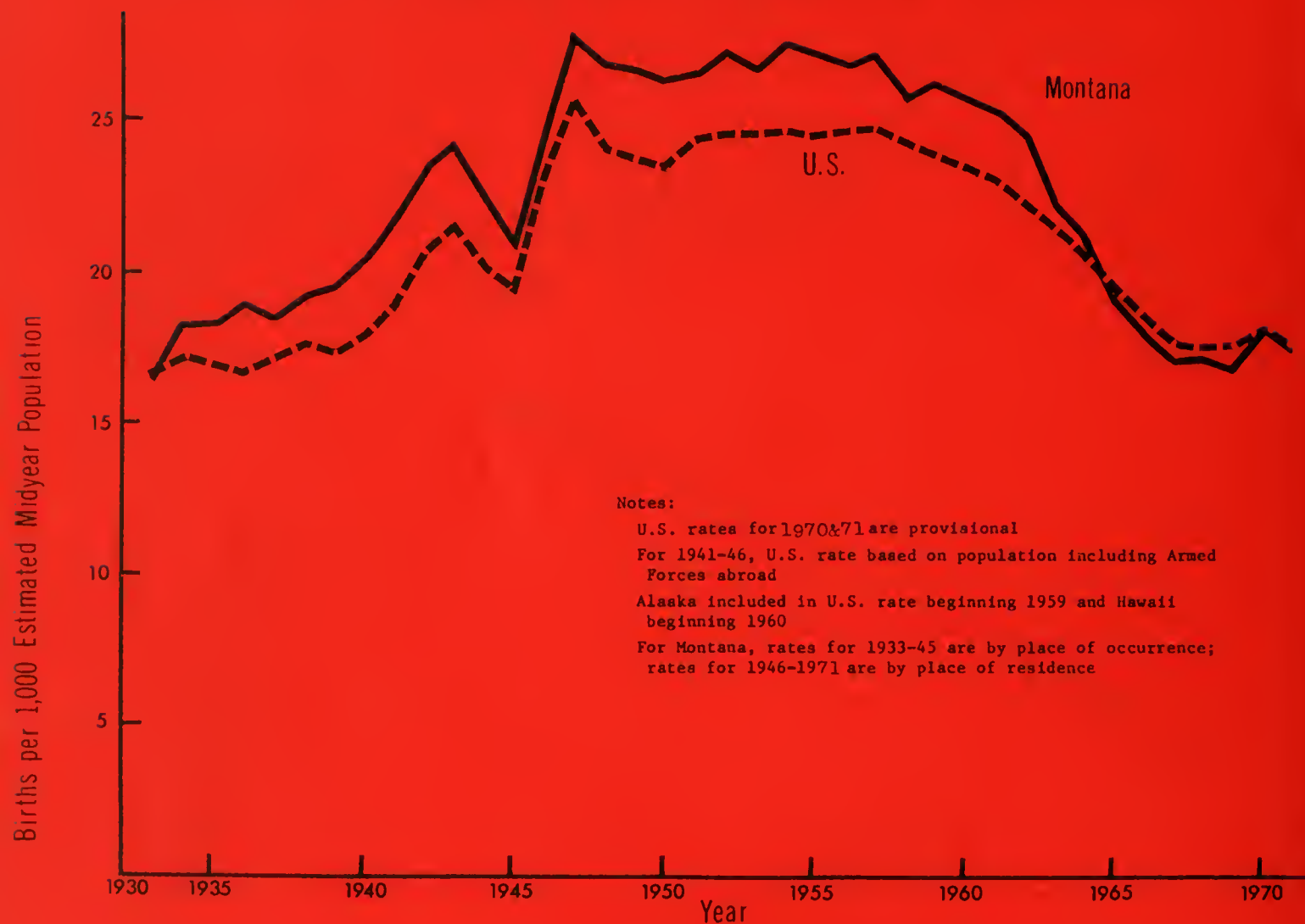
ATTENDANT

BIRTH WEIGHT

EDUCATION OF MOTHER

CHART 3

Crude Birth Rates: Montana & U.S., 1933-1971



BIRTHS

Trend

The number of live births to mothers who were residents of Montana was off slightly in 1971. In 1970, there were 12,622 resident live births; in 1971, 12,347 down 275 or 2.2%.

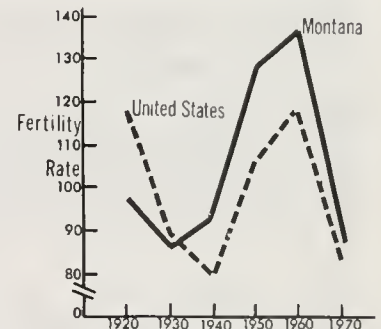
The general trend of the number of resident live births was down during the 1960's. There was an increase of 860 from 1969 to 1970 but the trend line appears to have resumed its downward course in 1971.

The highest number of Montana resident live births (18,219) occurred in 1957.

Fertility

The accompanying graph shows fertility rates for Montana and the United States for years ending in 0 from 1920-1970. These are the only years for which fertility rates can be computed with certainty since the computation requires enumeration data regarding the number of females 15-44 years. The fertility rates for both Montana and the United States dropped markedly during the 1960's decade. The estimated fertility rate for 1971 is 87.1. This rate was prepared based on the estimate of the female population age 15-44 computed by inflating the 1970 census count for that group by 2.245% (the same increase as for the total population). The 1971 fertility rate (87.1) approximates the previous low rate of 86.3 for 1930.

CHART 4
FERTILITY RATES:
Montana and United States



Live Birth Order

An analysis of the live birth orders of 1971 births indicates that the trend for smaller family size is continuing. The proportion of first-born children in 1971 (40.7%) was up slightly from 1970 (40.3%).

The number of second-born children was up markedly in 1971 (28.2%) from 1970 (26.8%). Third-born children were down from 15.7% to 14.5%. Fourth-born children were down slightly from 7.5% to 7.4%.

Birth orders of five or more were down to 9.2% in 1971 as compared with 9.7% in 1970.

Race

The largest non-white population in Montana consists of American Indians. The birth rate for Indians is higher than that for whites. In 1970, the Census showed that Indians constituted 3.9% of the population. In that same year, 8.0% of live births were classified as Indian.

This differential in birth rates by race continued to widen in 1971. The number of white live births in 1971 was 11,145 down 334 from the 11,479 in 1970. This is a decrease of 2.9%. The number of Indian live births was up 62 from 1,007 to 1,069, an increase of 6.2%.

Sex

The proportion of male babies to female babies (sex ratio) increased in 1971. In 1970, there were 104.2 male births per 100 female. In 1971, the ratio was 106.0.

Since 1960, the sex ratio has ranged from a high of 107.8 in 1961 to a low of 101.5 in 1966.

Attendant at Birth

There was no change in the proportion of births which occurred in a hospital in 1971. For both 1970 and 1971, the ratio was 99.4%. Since 1954 over 99% of Montana births have occurred in a hospital.

Low Birth Weight Infants

The chances of survival of infants with a birth weight of less than five pounds eight ounces are much less favorable than for those who weigh more than that amount. Data from the National Center for Health Statistics show that in the United States the risk of death in the first year of life among infants who weigh 2500 grams or less at birth is seventeen times the risk among infants weighing 2501 grams or more.¹

In 1971, 7.4% of live born infants were "premature" (that is weighed less than five pounds eight ounces or 2500 grams). In 1970, 7.5% of live births were premature.

Education of Mother

Information on the educational attainment of Montana mothers is available for only the years 1969, 1970 and 1971. The proportion of mothers with 12 or more years of education has increased from 73.8% in 1969 to 75.8% in 1971.

Table 8 shows that the greater the education of the mother, the smaller her family size.

Out-of-Wedlock Births

The 1971 out-of-wedlock birth ratio of 94.9 is slightly lower than that for 1970 (95.3). The 1971 ratio is still more than five times as high as that of 1953 (17.5). Since 1950, Montana illegitimacy ratios have been lower than those for the United States; however, the difference between the two ratios has been diminishing in recent years.

1. Trends in "Prematurity", United States: 1950-1967 DHEW Publication Number (HSM) 72-1030.

TABLE 5

SUMMARY OF LIVE BIRTHS

MONTANA, 1971

BY PLACE OF RESIDENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTAL SHOWN.

ITEM	1971		1970	
	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	12,347	100.0	12,622	100.0
SEX				
MALE	6,354	51.5	6,440	51.0
FEMALE	5,993	48.5	6,182	49.0
LEGITIMACY				
IN WEDLOCK	11,175	90.5	11,419	90.5
OUT OF WEDLOCK	1,172	9.5	1,203	9.5
MULTIPLE BIRTHS				
SINGLE	12,139	98.3	12,377	98.1
TWINS	208	1.7	243	1.9
TRIPLETS		0.0	2	0.0
LIVING CHILDREN				
FIRST CHILD	5,024	40.7	5,090	40.3
SECOND CHILD	3,488	28.2	3,385	26.8
THIRD CHILD	1,789	14.5	1,980	15.7
FOURTH CHILD	912	7.4	941	7.5
FIFTH CHILD	502	4.1	512	4.1
SIXTH CHILD	268	2.2	292	2.3
SEVENTH CHILD	151	1.2	186	1.5
EIGHTH CHILD	90	0.7	92	0.7
NINE OR MORE	119	1.0	140	1.1
NOT STATED	4	0.0	4	0.0

TABLE 6

NUMBER AND PERCENTAGE DISTRIBUTION OF LIVE BIRTHS BY ATTENDANT

MONTANA COUNTIES, 1971

BY PLACE OF OCCURRENCE

COUNTY	NUMBER ATTENDED BY-				PERCENTAGE ATTENDED BY-		
	TOTAL	PHYSICIAN IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER AND MIDWIFE	PHYSICIAN IN HOSPITAL	PHYSICIAN NOT IN HOSPITAL	OTHER AND MIDWIFE
MONTANA, TOTAL	12,229	12,156	23	50	99.4	0.2	0.4
BEAVERHEAD	91	91	-	-	100.0	0.0	0.0
BIG HORN	249	249	-	-	100.0	0.0	0.0
BLAINE	69	68	-	1	98.6	0.0	1.4
BROADWATER	37	36	-	1	97.3	0.0	2.7
CARBON	52	52	-	-	100.0	0.0	0.0
CARTER	24	24	-	-	100.0	0.0	0.0
CASCADE	1,650	1,646	-	4	99.8	0.0	0.2
CHOUTEAU	47	47	-	-	100.0	0.0	0.0
CUSTER	360	357	3	-	99.2	0.8	0.0
DANIELS	55	55	-	-	100.0	0.0	0.0
DAWSON	211	211	-	-	100.0	0.0	0.0
DEER LODGE	224	224	-	-	100.0	0.0	0.0
FALLON	38	38	-	-	100.0	0.0	0.0
FERGUS	205	204	-	1	99.5	0.0	0.5
FLATHEAD	746	743	2	1	99.6	0.3	0.1
GALLATIN	589	585	2	2	99.3	0.3	0.3
GARFIELD	11	11	-	-	100.0	0.0	0.0
GLACIER	226	221	1	4	97.8	0.4	1.8
GOLDEN VALLEY	-	-	-	-	0.0	0.0	0.0
GRANITE	19	19	-	-	100.0	0.0	0.0
HILL	401	397	-	4	99.0	0.0	1.0
JEFFERSON	1	-	-	1	0.0	0.0	100.0
JUDITH BASIN	-	-	-	-	0.0	0.0	0.0
LAKE	221	219	2	-	99.1	0.9	0.0
LEWIS & CLARK	740	739	1	-	99.9	0.1	0.0
LIBERTY	48	46	-	2	95.8	0.0	4.2
LINCOLN	193	192	-	1	99.5	0.0	0.5
MCCONE	34	34	-	-	100.0	0.0	0.0
MADISON	75	75	-	-	100.0	0.0	0.0
MEAGHER	24	20	-	4	83.3	0.0	16.7
MINERAL	4	4	-	-	100.0	0.0	0.0
MISSOULA	1,178	1,174	2	2	99.7	0.2	0.2
MUSSELSHELL	14	14	-	-	100.0	0.0	0.0
PARK	206	206	-	-	100.0	0.0	0.0
PETROLEUM	-	-	-	-	0.0	0.0	0.0
PHILLIPS	51	51	-	-	100.0	0.0	0.0
PONDERA	114	113	-	1	99.1	0.0	0.9
POWDER RIVER	1	-	-	1	0.0	0.0	100.0
POWELL	86	85	-	1	98.8	0.0	1.2
PRAIRIE	20	20	-	-	100.0	0.0	0.0
RAVALLI	152	150	-	2	98.7	0.0	1.3
RICHLAND	208	208	-	-	100.0	0.0	0.0
ROOSEVELT	268	268	-	-	100.0	0.0	0.0
ROSEBUD	30	26	4	-	86.7	13.3	0.0
SANDERS	107	106	1	-	99.1	0.9	0.0
SHERIDAN	76	76	-	-	100.0	0.0	0.0
SILVER BOW	830	827	1	2	99.6	0.1	0.2
STILLWATER	87	85	-	2	97.7	0.0	2.3
SWEET GRASS	33	33	-	-	100.0	0.0	0.0
TETON	89	82	-	7	92.1	0.0	7.9
TOOLE	43	42	-	1	97.7	0.0	2.3
TREASURE	-	-	-	-	0.0	0.0	0.0
VALLEY	196	195	-	1	99.5	0.0	0.5
WHEATLAND	24	20	-	4	83.3	0.0	16.7
WIBAUX	-	-	-	-	0.0	0.0	0.0
YELLOWSTONE	1,772	1,768	4	-	99.8	0.2	0.0

TABLE 7

LIVE BIRTHS BY BIRTH WEIGHT GROUP
MONTANA COUNTIES, 1971

INFANTS BORN TO MOTHERS WHO WERE RESIDENTS OF MONTANA AND BIRTH WEIGHT WAS GIVEN. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY NOT ADD TO EXACTLY ONE HUNDRED PERCENT.

COUNTY	PREMATURE 5 LBS. 8 OZ. AND UNDER		MATURE OVER 5 LBS. 8 OZ.	
	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	908	7.4	11,439	92.6
BEAVERHEAD	9	7.0	120	93.0
BIG HORN	11	4.6	227	95.4
BLAINE	11	7.9	129	92.1
BROADWATER	6	14.0	37	86.0
CARBON	5	5.6	84	94.4
CARTER	3	10.0	27	90.0
CASCADE	127	7.9	1,471	92.1
CHOUTEAU	7	9.5	67	90.5
CUSTER	13	6.9	176	93.1
DANIELS	3	5.9	48	94.1
DAWSON	9	4.2	204	95.8
DEER LODGE	24	9.7	223	90.3
FALLON	8	11.3	63	88.7
FERGUS	7	3.5	193	96.5
FLATHEAD	34	5.4	598	94.6
GALLATIN	44	7.7	527	92.3
GARFIELD	-	0.0	22	100.0
GLACIER	12	5.3	214	94.7
GOLDEN VALLEY	-	0.0	14	100.0
GRANITE	2	4.4	43	95.6
HILL	15	4.6	312	95.4
JEFFERSON	8	9.8	74	90.2
JUDITH BASIN	4	11.4	31	88.6
LAKE	19	8.0	218	92.0
LEWIS & CLARK	45	7.4	564	92.6
LIBERTY	4	10.5	34	89.5
LINCOLN	27	7.9	314	92.1
MCCONE	3	4.8	60	95.2
MADISON	11	16.2	57	83.8
MEAGHER	2	6.1	31	93.9
MINERAL	7	12.1	51	87.9
MISSOULA	74	7.1	967	92.9
MUSSELSHELL	6	15.0	34	85.0
PARK	15	7.8	178	92.2
PETROLEUM	-	0.0	11	100.0
PHILLIPS	7	9.5	67	90.5
RONDERA	6	5.9	96	94.1
POWDER RIVER	5	9.3	49	90.7
POWELL	7	6.0	110	94.0
PRAIRIE	2	5.4	35	94.6
RAVALLI	11	6.1	170	93.9
RICHLAND	7	3.9	172	96.1
ROOSEVELT	18	6.7	250	93.3
ROSEBUD	9	5.0	170	95.0
SANDERS	8	7.4	100	92.6
SHERIDAN	2	2.8	69	97.2
SILVER BOW	84	10.9	685	89.1
STILLWATER	5	7.0	66	93.0
SWEET GRASS	3	5.3	54	94.7
TETON	7	7.9	82	92.1
TOOLE	5	5.9	80	94.1
TREASURE	2	6.7	28	93.3
VALLEY	12	5.5	208	94.5
WHEATLAND	4	12.5	28	87.5
WIBAUX	-	0.0	21	100.0
YELLOWSTONE	129	8.0	1,476	92.0

TABLE 8

NUMBER AND PERCENT OF LIVE BORN INFANTS BY YEARS OF EDUCATION OF MOTHER
AND NUMBER OF CHILDREN BORN ALIVE.

MONTANA, 1971

MONTANA RESIDENTS DELIVERING IN MONTANA

EDUCATION OF MOTHER IN YEARS	NUMBER OF LIVE BORN CHILDREN											
	TOTAL	1	2	3	4	5	6	7	8	9	10+	NOT STATED
TOTAL												
NUMBER	12,093	4,826	3,336	1,794	926	529	291	151	95	51	90	4
PERCENT	100.0	39.9	27.6	14.8	7.7	4.4	2.4	1.2	0.8	0.4	0.7	0.0
UNDER 8 YEARS												
NUMBER	95	21	18	13	9	7	7	6	5	1	8	-
PERCENT	100.0	22.1	18.9	13.7	9.5	7.4	7.4	6.3	5.3	1.1	8.4	0.0
8 YEARS												
NUMBER	443	117	82	53	61	42	37	17	11	9	14	-
PERCENT	100.0	26.4	18.5	12.0	13.8	9.5	8.4	3.8	2.5	2.0	3.2	0.0
9 YEARS												
NUMBER	475	153	107	80	53	36	16	10	10	3	6	1
PERCENT	100.0	32.2	22.5	16.8	11.2	7.6	3.4	2.1	2.1	0.6	1.3	0.2
10 YEARS												
NUMBER	835	325	169	137	66	63	32	22	8	10	3	-
PERCENT	100.0	38.9	20.2	16.4	7.9	7.5	3.8	2.6	1.0	1.2	0.4	0.0
11 YEARS												
NUMBER	1,054	455	248	147	88	42	33	20	12	2	6	-
PERCENT	100.0	43.2	23.6	14.0	8.4	4.0	3.1	1.9	1.1	0.2	0.6	0.0
12 YEARS												
NUMBER	5,393	2,061	1,571	854	428	225	113	55	35	18	33	-
PERCENT	100.0	38.2	29.1	15.8	7.9	4.2	2.1	1.0	0.6	0.3	0.6	0.0
13 YEARS												
NUMBER	1,381	624	404	206	70	41	20	5	2	4	5	-
PERCENT	100.0	45.2	29.3	14.9	5.1	3.0	1.4	0.4	0.1	0.3	0.4	0.0
14 YEARS												
NUMBER	777	330	232	105	48	31	10	5	2	2	3	-
PERCENT	100.0	43.6	29.9	13.5	6.2	4.0	1.3	0.6	0.3	0.3	0.4	0.0
15 YEARS												
NUMBER	412	173	120	49	43	9	11	3	2	-	2	-
PERCENT	100.0	42.0	29.1	11.9	10.4	2.2	2.7	0.7	0.5	0.0	0.5	0.0
16 YEARS												
NUMBER	1,006	450	318	127	52	26	11	6	7	2	7	-
PERCENT	100.0	44.7	31.6	12.6	5.2	2.6	1.1	0.6	0.7	0.2	0.7	0.0
17+ YEARS												
NUMBER	193	68	62	18	6	6	1	1	1	-	-	-
PERCENT	100.0	35.2	32.1	9.3	3.1	3.1	0.5	0.5	0.5	0.0	0.0	0.0
NOT STATED												
NUMBER	30	10	5	5	2	1	-	1	-	-	3	3
PERCENT	100.0	33.3	16.7	16.7	6.7	3.3	0.0	3.3	0.0	0.0	10.0	10.0

DEATHS

CAUSE

SEX

RACE

ACCIDENTS

AGE

MATERNAL

INFANT

HISTORICAL SERIES

DEATHS

Age-Adjusted Death Rates

Once every ten years it is possible to calculate age-adjusted death rates for Montana counties. The computation of useful rates adjusted for age requires accurate information regarding the age composition of the population. This is available only every ten years as a product of the Federal Census. In an attempt to produce rates of maximum usefulness, mortality data for three years have been accumulated. This has been done because of the limited number of resident deaths in some counties. Spurious results could occur through the operation of chance factors alone.

Age-adjusted death rates are those that would have obtained if the age specific rates for the period 1969-71, computed for specific age intervals, had prevailed in a population whose age was the same as that of the 1970 population of Montana. In other words, they show what the counties death rate would have been if all counties had had the same age distribution.

These age adjusted death rates are displayed on a map on page 23. It will be noted that seven of the counties in the high quartile have Indian reservations within their boundaries, namely: Big Horn, Blaine, Daniels, Glacier, Pondera, Rosebud, and Roosevelt. Five of the counties in the low quartile lie along the eastern border of the state. They are: Carter, Dawson, Fallon, Prairie, and Richland. Because it is sometimes assumed that the level of health is related to the availability of medical care, it is interesting to note that all of these counties have been designated as shortage areas for physicians in connection with the Health Professions Student Loan Program. Other counties in the low quartile that also have a shortage of physicians are Chouteau, Golden Valley, Granite, Judith Basin, Musselshell, and Teton. The only counties in the low quartile that are thought to have adequate physician coverage are Broadwater, Gallatin and Hill.

The above observations do not mean that persons in counties without a physician do not have access to medical care. It does indicate that considering physician availability by county in Montana has little relevance to health status.

In assessing the geographic distribution of counties with low age-adjusted death rates, one notes that Granite is the only county in the low quartile west of the Continental Divide.

Deaths

The total number of deaths of Montana residents in 1971 was 6,860, up 263 or 4% from the 6,597 in 1970. The 1971 crude death rate for Montana was 9.7 deaths per 1,000 population. This compares with 9.3 for the United States. In 1970, Montana's crude death rate was 9.5 compared with 9.4 for the United States.

Montana has a population with a younger age distribution than that for the nation as a whole. The median age for Montanans in the 1970 census was 27.1 years contrasted with 28.1 years for the United States. One would expect, therefore, that Montana would have a lower crude death rate than would the nation. At least part of the excess mortality for Montana is explained by the high death rate from accidents.

AGE-ADJUSTED DEATH RATES - MONTANA COUNTIES, 1969-71

BY PLACE OF RESIDENCE

[illegible]

DEATHS PER 1,000 POPULATION.

5.9	-	7.9	LOW QUARTILE
8.0	-	8.6	MEDIUM LOW QUARTILE
8.7	-	9.7	MEDIUM HIGH QUARTILE
9.8	-	11.6	HIGH QUARTILE

Seasonal Occurrence

During 1971, there were an average of 18.8 deaths per day in Montana. This varied from a low of 17.2 in November to a high of 21.5 in May.

The number of deaths per day increased from January through May. For the period May through November, there was a general decrease in trend. In December, the number of deaths per day increased again.

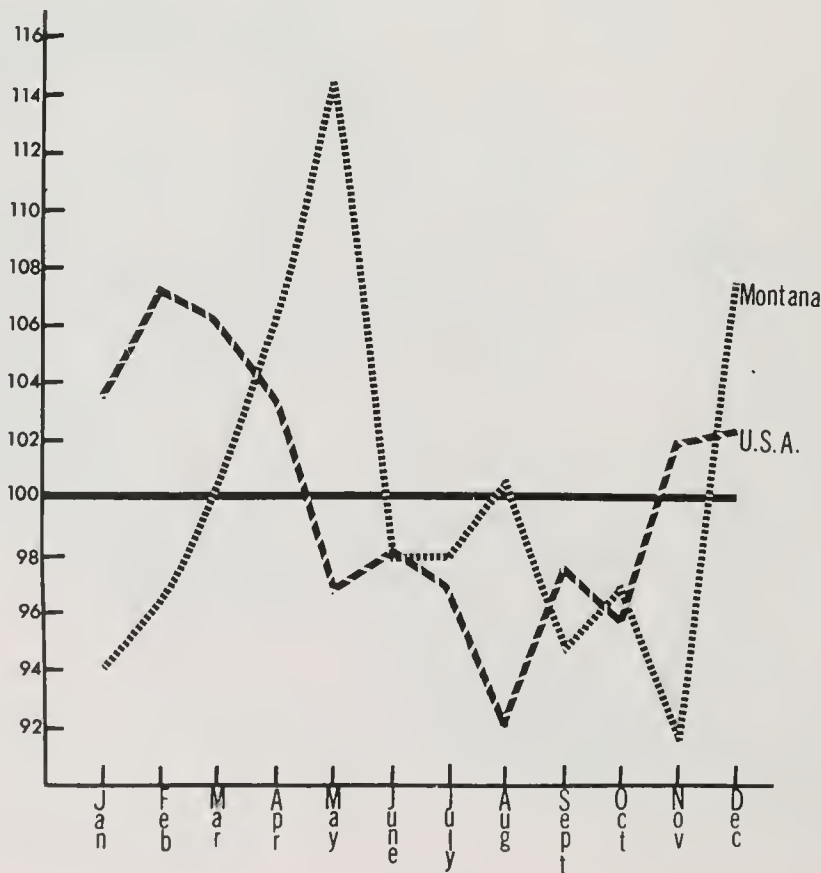
The major cardiovascular diseases contributed to the higher mortality in March, April and May. During 1971, there were an average of 291 deaths from the circulatory diseases per month. In March, the number was 304, in April 313, and in May 357.

Another component in the large number of deaths in May was 85 deaths from external injury as compared with a monthly average for the year of 67.

The following graph shows the seasonal distribution of deaths in Montana in 1971 compared with that for the United States. As noted in the preceding discussion, the highest proportion of deaths per day in Montana occurred in April, May, and December. In the United States, the highest number per day fell in February, March, and April.

CHART 6
INDEX OF DEATHS PER DAY BY MONTH

Montana and United States, 1971



Major Causes of Death

As has been the case for many years, heart disease caused the most deaths in Montana. In 1971, there were 2,339 deaths, up 110 from the 2,229 in 1970. The 1971 rate is 329.4 deaths per 100,000 population as compared with 321.0 for 1970. The death rate from cardiac disease in Montana is lower than that for the United States. In 1971 the U.S. rate was 358.4.

The trend in death rates from heart disease in Montana has been relatively stable for the last thirty years. The number of deaths from this disease has increased slightly reflecting population growth.

Ischemic heart disease is by far the largest component in the total heart disease category. Of the 2,339 deaths from cardiac disease in Montana in 1971, 2,013 were from ischemic heart disease. This is 86.1%. In 1970, 85% of deaths from diseases of the heart were due to ischemic heart disease.

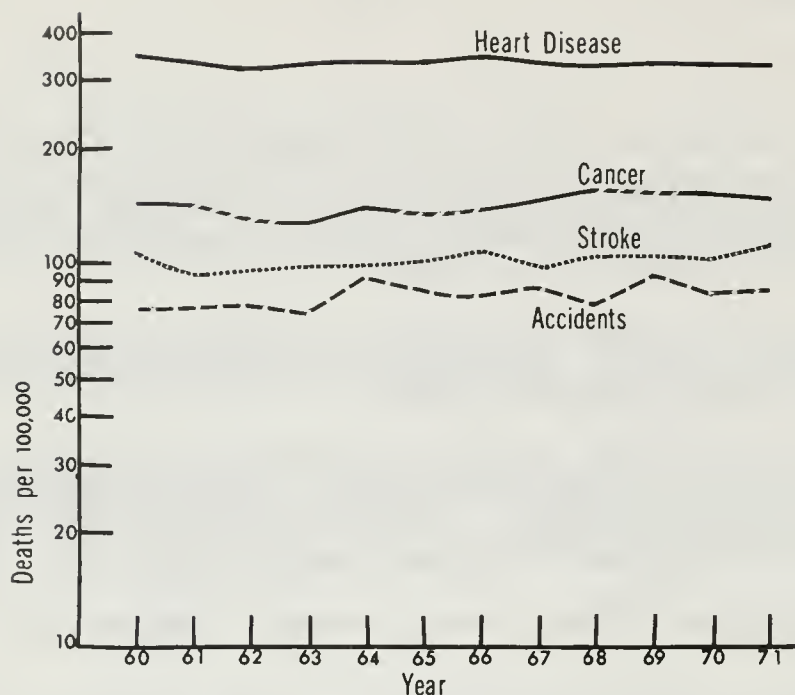
Of the 2,013 deaths from ischemic heart disease, 1,242 or 62% were male; 771 (38%) were female.

The number of deaths from cancer was about the same in 1971 (1,050) as in 1970 (1,059). The rate was down 4.6 points from 152.5 in 1970 to 147.9 in 1971. The 1971 cancer death rate for Montana (147.9) was lower than that for the United States (160.9).

Accidents comprise the fourth leading cause of death in Montana in terms of the number of deaths involved. However, persons who die in accidents are, on the average, younger than those who die from heart, cancer or stroke. For this reason, consideration of the number of accidents alone tends to understate the impact of accidental death on Montana society. The accidental death rate for Montana for 1971 was 85.8 deaths per 100,000 population. This is markedly higher than the rate for the United States of 53.8. The death rate from motor vehicle accidents for Montana was 43.7 compared to the United States rate of 25.5. The death rate for Montana for accidents other than motor vehicle was 42.1 compared with the national rate of 28.3.

The accompanying chart shows the rate for the four leading causes of death for Montana for the period 1960-71.

CHART 7
RATES FOR THE FOUR LEADING CAUSES OF DEATH
Montana, 1960-1971



INFANT MORTALITY

Trend

There were 267 resident Infant deaths in Montana in 1971, five less than the 272 in 1970. The 1971 infant death rate was 21.6 deaths under one year per thousand live births. The rate for 1970 was 21.5. In 1971, there were 185 neonatal deaths (deaths under 28 days of age) producing a rate of 15.0. There were 82 postneonatal (28 days to 1 year) for a rate of 6.6. The long-term trend of all three rates has been down over the years; however, the rate of decrease has diminished in recent years.

Age

The greatest risk of infant death occurs shortly following birth. Of the 185 neonatal deaths in 1971, 108 (58.4%) died within the first day. Sixty-three (34.1%) lived beyond one day but died within the first week. Only 14 (7.6%) died in the last three-fourths of the period (8 - 27 days).

Race

The neonatal mortality rate for Indians was more favorable than that for white in 1971. There were 15 Indian infant deaths within the first 27 days of life out of 1,069 Indian live births. This produces a rate of 14.0 deaths per thousand live births. For whites there were 169 neonatal deaths out of 11,145 births for a rate of 15.2.

On the other hand, the postneonatal mortality experience of whites is more favorable than that for Indians. There were 70 white postneonatal deaths for the rate of 6.3. There were 11 Indian postneonatal deaths producing a rate of 10.3.

Geographic Distribution

An accompanying map shows five-year infant death rates for Montana counties for the years 1967-71. Five of the counties in the high quartile have Indian reservations within their borders. They are: Big Horn, Daniels, Lake, Pondera, and Roosevelt. However, from the previous discussion on race, it is obvious that the racial differences in infant mortality are narrowing. For example, there are several counties with substantial Indian populations that are not in the high quartile. They are: Rosebud, Blaine, and Glacier. There is a group of four counties in the high quartile in the southwest corner of the state. The counties comprising this group are Beaverhead, Deer Lodge, Granite, and Jefferson.

The Montana infant mortality rate compares unfavorably with that for the United States. The 1971 rate for Montana is 21.6 contrasted with 19.2 for the United States. The neonatal death rate for Montana is 15.0; 14.3 for the United States. The postneonatal rates are: Montana 6.6; United States 4.9.

Causes of Infant Death

For purposes of analysis, the causes of infant death have been grouped into four general categories. The class "prenatal and natal causes" included 187 or 70% of the 267 infant deaths. The group "infections" comprised 23 deaths (8.6%). Violent and accidental deaths claimed 17 infant lives (6.4%). The residual classification "all other" contained 40 deaths (15.0%).

The largest single cause of death was "birth injury, difficult labor and other hypoxic and anoxic conditions". There were 83 deaths in this classification, the same as in 1970. In 1971, the 83 deaths comprised 31.1% of all infant deaths.

MATERNAL MORTALITY

There were no maternal deaths in Montana during 1971! This is the first year since records have been kept that Montana has had a perfect record in avoiding maternal mortality. Our jubilation in attaining this flawless record is tempered by the fact that preliminary data for 1972 indicate that there were four maternal deaths in the following year.

A maternal death is one which the attending physician attributes to complications of pregnancy, childbirth, and puerperium.

Since Montana has so few maternal deaths, statistical tabulations are largely meaningless. A list of maternal deaths for the years 1963-71 is shown in Table 12.

TABLE 9
DEATHS BY CAUSE, SEX, AND COLOR
MONTANA, 1971
BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	ALL CAUSES	6,860	3,984	180	2,549	147
000-136	INFECTIVE AND PARASITIC DISEASES	46	25	1	17	3
000-009	INTESTINAL INFECTIOUS DISEASES	11	8	-	3	-
008	ENTERITIS DUE TO OTHER SPECIFIED ORGANISM.	3	2	-	1	-
009	DIARRHEAL DISEASE.	8	6	-	2	-
010-019	TUBERCULOSIS	10	8	-	1	1
010	SILICOTUBERCULOSIS	1	1	-	-	-
011	PULMONARY TUBERCULOSIS	8	5	-	1	-
012	OTHER RESPIRATORY TUBERCULOSIS	1	1	-	-	-
016	GENITOURINARY SYSTEM	2	1	-	-	1
030-039	OTHER BACTERIAL DISEASES	11	5	1	4	1
033	WHOOPING COUGH	1	1	-	-	-
036	MENINGOCOCCAL INFECTION.	2	1	-	1	-
038	SEPTICEMIA	7	3	1	3	-
039	OTHER BACTERIAL DISEASES	1	-	-	-	1
040-046	POLIOMYELITIS & OTHER ENTEROVIRUS DISEASES OF CENTRAL NERVOUS SYSTEM	1	-	-	1	-
044	LATE EFFECT OF ACUTE POLIOMYELITIS	1	-	-	1	-
050-057	VIRAL DISEASES ACCOMPANIED BY EXANTHEM	3	1	-	1	1
052	CHICKENPOX	1	1	-	-	-
055	MEASLES.	2	-	-	1	1
060-068	ARTHROPOD-BORNE VIRAL DISEASES	1	-	-	1	-
065	VIRAL ENCEPHALITIS, UNSPECIFIED.	1	-	-	1	-
070-079	OTHER VIRAL DISEASES	6	2	-	4	-
070	INFECTIOUS HEPATITIS	3	-	-	3	-
075	INFECTIOUS MONONUCLEOSIS	1	1	-	-	-
079	OTHER VIRAL DISEASES	2	1	-	1	-
110-117	MYCOSES.	1	-	-	1	-
116	BLASTOMYCOSIS.	1	-	-	1	-
130-136	OTHER INFECTIVE & PARASITIC DISEASES	2	1	-	1	-
130	TOXOPLASMOSIS.	1	-	-	1	-
135	SARCOIDOSIS.	1	1	-	-	-
140-239	NEOPLASMS.	1,061	630	18	397	16
140-149	MALIGNANT NEOPLASM OF BUCCAL CAVITY & PHARYNX.	20	15	-	5	-
141	TONGUE	4	2	-	2	-
143	GUM.	1	-	-	1	-
144	FLOOR OF MOUTH	1	1	-	-	-
145	OTHER AND UNSPECIFIED PARTS OF MOUTH	3	2	-	1	-
146	OROPHARYNX	4	4	-	-	-
148	HYPOPHARYNX.	2	2	-	-	-
149	PHARYNX, UNSPECIFIED	5	4	-	1	-
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND					
	PERITONEUM	292	167	7	114	4
150	ESOPHAGUS.	12	9	-	3	-
151	STOMACH.	57	35	3	18	1
153	LARGE INTESTINE, EXCEPT RECTUM	108	61	-	46	1
154	RECTUM AND RECTOSIGMOID JUNCTION	28	17	-	11	-
155	LIVER AND INTRAHEPATIC BILE DUCTS, SPECIFIED AS PRIMARY	1	-	-	1	-
156	GALLBLADDER AND BILE DUCTS	20	10	1	7	2
157	PANCREAS	62	33	2	27	-
158	PERITONEUM AND RETROPERITONEAL TISSUE.	1	1	-	-	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
159	DIGESTIVE ORGANS, UNSPECIFIED.	3	1	1	1	-
160-163	MALIGNANT NEOPLASM OF RESPIRATORY SYSTEM	224	178	9	34	3
161	LARYNX	10	10	-	-	-
162	TRACHEA, BRONCHUS, AND LUNG.	212	168	9	32	3
163	OTHER AND UNSPECIFIED RESPIRATORY ORGANS	2	-	-	2	-
170-174	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, & BREAST	124	26	-	95	3
170	BONE	9	5	-	4	-
171	CONNECTIVE AND OTHER SOFT TISSUE	5	4	-	1	-
172	MALIGNANT MELANOMA OF SKIN	16	11	-	5	-
173	OTHER MALIGNANT NEOPLASM OF SKIN	3	3	-	-	-
174	BREAST	91	3	-	85	3
180-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	190	122	1	63	4
180	CERVIX UTERI	18	-	-	15	3
182	OTHER MALIGNANT NEOPLASM OF UTERUS	11	-	-	11	-
183	OVARY, FALLOPIAN TUBE, AND BROAD LIGAMENT.	17	-	-	17	-
184	OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	3	-	-	3	-
185	PROSTATE	70	69	1	-	-
186	TESTIS	2	2	-	-	-
188	BLADDER.	43	35	-	8	-
189	OTHER AND UNSPECIFIED URINARY ORGANS	26	16	-	9	1
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES.	77	43	-	33	1
191	BRAIN.	27	15	-	12	-
192	OTHER PARTS OF NERVOUS SYSTEM.	8	5	-	3	-
193	THYROID GLAND.	1	-	-	1	-
194	OTHER ENDOCRINE GLANDS	5	3	-	1	1
195	ILL-DEFINED SITES.	6	2	-	4	-
197	SECONDARY MALIGNANT NEOPLASM OF RESPIRA- TORY AND DIGESTIVE SYSTEMS	13	7	-	6	-
198	OTHER SECONDARY MALIGNANT NEOPLASM	4	3	-	1	-
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE.	13	8	-	5	-
200-209	NEOPLASMS OF LYMPHATIC AND HEMATOPOIETIC TISSUE	124	74	1	48	1
200	LYMPHOSARCOMA AND RETICULUM-CELL SARCOMA	17	11	-	6	-
201	HODGKINS DISEASE	10	6	-	4	-
202	OTHER NEOPLASMS OF LYMPHOID TISSUE	11	6	-	5	-
203	MULTIPLE MYELOMA	17	9	-	8	-
204	LYMPHATIC LEUKEMIA	22	12	-	10	-
205	MYELOID LEUKEMIA	23	14	-	8	1
207	OTHER AND UNSPECIFIED LEUKEMIA	17	12	1	4	-
208	POLYCYTHEMIA VERA.	3	1	-	2	-
209	MYELOFIBROSIS.	4	3	-	1	-
210-228	BENIGN NEOPLASMS	5	2	-	3	-
211	OTHER PARTS OF DIGESTIVE SYSTEM.	1	1	-	-	-
218	UTERINE FIBROMA.	1	-	-	1	-
225	BRAIN AND OTHER PARTS OF NERVOUS SYSTEM.	3	1	-	2	-
230-239	NEOPLASM OF UNSPECIFIED NATURE	5	3	-	2	-
238	EYE, BRAIN, AND OTHER PARTS OF NERVOUS SYSTEM	5	3	-	2	-
240-279	ENDOCRINE, NUTRITIONAL, AND METABOLIC DISEASES	149	75	1	67	6
240-246	DISEASES OF THYROID GLAND.	3	1	-	2	-
240	SIMPLE GOITER.	1	-	-	1	-
242	THYROTOXICOSIS WITH OR WITHOUT GOITER.	2	1	-	1	-

TABLE 9
DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
250-258	DISEASES OF OTHER ENDOCRINE GLANDS	128	66	1	56	5
250	DIABETES MELLITUS.	120	61	1	53	5
252	DISEASES OF PARATHYROID GLAND.	1	-	-	1	-
253	DISEASES OF PITUITARY GLAND.	2	2	-	-	-
255	DISEASES OF ADRENAL GLANDS	4	3	-	1	-
258	POLYGLANDULAR DYSFUNCTION & OTHER DISEASES OF ENDOCRINE GLANDS.	1	-	-	1	-
260-269	AVITAMINOSES AND OTHER NUTRITIONAL DEFICIENCY.	10	5	-	5	-
268	NUTRITIONAL MARASMUS	4	2	-	2	-
269	OTHER NUTRITIONAL DEFICIENCY	6	3	-	3	-
270-279	OTHER METABOLIC DISEASES	8	3	-	4	1
272	CONGENITAL DISORDERS OF LIPID METABOLISM	1	-	-	1	-
273	OTHER & UNSPECIFIED CONGENITAL DISORDERS OF METABOLISM.	1	-	-	1	-
277	OBESITY NOT SPECIFIED AS OF ENDOCRINE ORIGIN	4	1	-	2	1
279	OTHER AND UNSPECIFIED METABOLIC DISEASES	2	2	-	-	-
280-289	DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	15	7	-	8	-
280-289	DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS	15	7	-	8	-
281	OTHER DEFICIENCY ANEMIAS	1	-	-	1	-
282	HEREDITARY HEMOLYTIC ANEMIAS	2	1	-	1	-
284	APLASTIC ANEMIA.	6	3	-	3	-
285	OTHER AND UNSPECIFIED ANEMIAS.	3	2	-	1	-
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	1	-	-	1	-
288	AGRANULOCYTOSIS.	1	-	-	1	-
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	1	1	-	-	-
290-315	MENTAL DISORDERS	29	16	3	8	2
290-299	PSYCHOSES.	4	1	-	2	1
290	SENILE AND PRESENILE DEMENTIA.	1	-	-	1	-
291	ALCOHOLIC PSYCHOSIS.	2	1	-	-	1
295	SCHIZOPHRENIA.	1	-	-	1	-
300-309	NEUROSES, PERSONALITY DISORDERS, & OTHER NON- PSYCHOTIC MENTAL DISORDERS	24	15	3	5	1
303	ALCOHOLISM	19	11	3	4	1
306	SPECIAL SYMPTOMS NOT ELSEWHERE CLASSIFIED.	1	-	-	1	-
307	TRANSIENT SITUATIONAL DISTURBANCES	1	1	-	-	-
309	MENTAL DISORDERS NOT SPECIFIED PSYCHOTIC WITH PHYSICAL CONDITIONS	3	3	-	-	-
310-315	MENTAL RETARDATION	1	-	-	1	-
312	MODERATE MENTAL RETARDATION.	1	-	-	1	-
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	62	32	4	23	3
320-324	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	11	7	2	2	-
320	MENINGITIS	9	5	2	2	-
322	INTRACRANIAL AND INTRASPINAL ABSCESS	1	1	-	-	-
323	ENCEPHALITIS, MYELITIS, AND ENCEPHALO- MYELITIS	1	1	-	-	-
330-333	HEREDITARY AND FAMILIAL DISEASES OF NERVOUS SYSTEM	5	3	-	2	-
330	HEREDITARY NEUROMUSCULAR DISORDERS	4	3	-	1	-

TABLE 9
DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
331	HEREDITARY DISEASES OF THE STRIATOPALLIDAL SYSTEM	1	-	-	1	-
340-349	OTHER DISEASES OF CENTRAL NERVOUS SYSTEM	46	22	2	19	3
340	MULTIPLE SCLEROSIS	8	2	-	6	-
341	OTHER DEMYELINATING DISEASES OF CENTRAL NERVOUS SYSTEM	1	-	-	1	-
342	PARALYSIS AGITANS	11	7	-	3	1
343	CEREBRAL SPASTIC INFANTILE PARALYSIS	2	1	-	1	-
345	EPILEPSY	14	8	2	3	1
347	OTHER DISEASES OF BRAIN	5	1	-	3	1
348	MOTOR NEURONE DISEASE	5	3	-	2	-
390-458	DISEASES OF THE CIRCULATORY SYSTEM	3,491	2,000	37	1,402	52
390-392	ACTIVE RHEUMATIC FEVER	2	1	-	1	-
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	2	1	-	1	-
393-398	CHRONIC RHEUMATIC HEART DISEASE	65	29	1	34	1
394	DISEASES OF MITRAL VALVE	15	5	-	10	-
395	DISEASES OF AORTIC VALVE	13	11	-	2	-
396	DISEASES OF MITRAL AND AORTIC VALVES	10	2	-	8	-
397	DISEASES OF OTHER ENDOCARDIAL STRUCTURES	8	3	1	4	-
398	OTHER HEART DISEASE, SPECIFIED AS RHEUMATIC	19	8	-	10	1
400-404	HYPERTENSIVE DISEASE	61	30	2	29	-
400	MALIGNANT HYPERTENSION	4	2	-	2	-
401	ESSENTIAL BENIGN HYPERTENSION	4	2	-	2	-
402	HYPERTENSIVE HEART DISEASE	21	6	-	15	-
403	HYPERTENSIVE RENAL DISEASE	17	11	1	5	-
404	HYPERTENSIVE HEART AND RENAL DISEASE	15	9	1	5	-
410-414	ISCHEMIC HEART DISEASE	2,013	1,218	24	748	23
410	ACUTE MYOCARDIAL INFARCTION	1,238	809	16	400	13
411	OTHER ACUTE & SUBACUTE FORMS OF ISCHEMIC HEART DISEASE	9	4	-	5	-
412	CHRONIC ISCHEMIC HEART DISEASE	766	405	8	343	10
420-429	OTHER FORMS OF HEART DISEASE	223	143	3	69	8
421	ACUTE AND SUBACUTE ENDOCARDITIS	2	1	-	1	-
422	ACUTE MYOCARDITIS	1	1	-	-	-
423	CHRONIC DISEASE OF PERICARDIUM, NONRHEUMATIC	1	-	-	-	1
424	CHRONIC DISEASE OF ENDOCARDIUM	5	1	-	4	-
425	CARDIOMYOPATHY	1	-	-	1	-
426	PULMONARY HEART DISEASE	5	3	-	2	-
427	SYMPTOMATIC HEART DISEASE	101	58	3	34	6
428	OTHER MYOCARDIAL INSUFFICIENCY	31	19	-	12	-
429	ILL-DEFINED HEART DISEASE	76	60	-	15	1
430-438	CEREBROVASCULAR DISEASE	796	402	6	376	12
430	SUBARACHNOID HEMORRHAGE	29	13	-	15	1
431	CEREBRAL HEMORRHAGE	93	33	2	56	2
432	OCCCLUSION OF PRECEREBRAL ARTERIES	9	7	-	2	-
433	CEREBRAL THROMBOSIS	171	86	2	81	2
434	CEREBRAL EMBOLISM	7	4	-	3	-
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	308	166	1	136	5
437	GENERALIZED ISCHEMIC CEREBROVASCULAR DISEASE	172	90	1	80	1
438	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	7	3	-	3	1
440-448	DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	257	129	-	123	5

TABLE 9
DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
	ARTERIOSCLEROSIS	156	67	-	88	1
440	AORTIC ANEURYSM - NONSYPHILITIC.	47	36	-	11	-
441	OTHER ANEURYSM	1	-	-	1	-
442	OTHER PERIPHERAL VASCULAR DISEASE.	2	-	-	2	-
443	ARTERIAL EMBOLISM AND THROMBOSIS	34	20	-	12	2
444	GANGRENE	13	4	-	7	2
445	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	3	1	-	2	-
446	OTHER DISEASES OF ARTERIES AND ARTERIOLES.	1	1	-	-	-
447						
450-458	DISEASES OF VEINS & LYMPHATICS, & OTHER DIS. OF CIRCULATORY SYSTEM.	74	48	1	22	3
	PULMONARY EMBOLISM AND INFARCTION.	44	30	1	11	2
450	PHLEBITIS AND THROMBOPHLEBITIS	12	8	-	4	-
451	PORTAL VEIN THROMBOSIS	1	-	-	1	-
452	OTHER VENOUS EMBOLISM AND THROMBOSIS	10	7	-	3	-
453	VARICOSE VEINS OF LOWER EXTREMITIES.	1	-	-	1	-
454	VARICOSE VEINS OF OTHER SITES.	1	-	-	1	-
455	OTHER DISEASES OF CIRCULATORY SYSTEM	5	3	-	1	1
456						
458						
460-519	DISEASES OF THE RESPIRATORY SYSTEM	433	278	11	131	13
460-466	ACUTE RESPIRATORY INFECTIONS, EXCEPT INFLUENZA.	9	5	-	4	-
	ACUTE TONSILLITIS.	1	-	-	1	-
463	ACUTE UPPER RESPIRATORY INFECTION OF MULT- IPLE OR UNSPECIFIED SITES	2	1	-	1	-
465	ACUTE BRONCHITIS AND BRONCHIOLITIS	6	4	-	2	-
466						
		9	6	-	3	-
470-474	INFLUENZA.	7	4	-	3	-
470	INFLUENZA, UNQUALIFIED	2	2	-	-	-
471	INFLUENZA WITH PNEUMONIA					
		210	118	5	78	9
480-486	PNEUMONIA.	10	6	-	4	-
481	PNEUMOCOCCAL PNEUMONIA	2	2	-	-	-
482	OTHER BACTERIAL PNEUMONIA.	1	-	-	1	-
484	ACUTE INTERSTITIAL PNEUMONIA	74	37	4	29	4
485	BRONCHOPNEUMONIA, UNSPECIFIED.	123	73	1	44	5
486	PNEUMONIA, UNSPECIFIED					
		148	112	5	29	2
490-493	BRONCHITIS, EMPHYSEMA, AND ASTHMA.	2	-	1	-	1
490	BRONCHITIS, UNQUALIFIED.	16	11	-	5	-
491	CHRONIC BRONCHITIS	119	93	4	21	1
492	EMPHYSEMA.	11	8	-	3	-
493	ASTHMA					
		2	1	-	1	-
500-508	OTHER DISEASES OF UPPER RESPIRATORY TRACT.	2	1	-	1	-
508						
		55	36	1	16	2
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	2	1	-	-	1
510	EMPHYSEMA.	1	1	-	-	-
513	ABSCESS OF LUNG.	1	1	-	-	-
514	PULMONARY CONGESTION AND HYPOSTASIS.	4	4	-	-	-
515	PNEUMOCONIOSIS DUE TO SILICA AND SILICATES	17	8	-	8	1
517	OTHER CHRONIC INTERSTITIAL PNEUMONIA	1	1	-	-	-
518	BRONCHIECTASIS	29	20	1	8	-
519	OTHER DISEASES OF RESPIRATORY SYSTEM					
		241	123	10	98	10
520-577	DISEASES OF THE DIGESTIVE SYSTEM					
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS, AND JAWS	1	-	-	1	-
527	DISEASES OF THE SALIVARY GLANDS.	1	-	-	1	-
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	37	26	-	11	-
530	DISEASES OF ESOPHAGUS.	6	4	-	2	-

TABLE 9

DEATHS BY CAUSE, SEX, AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
S31	ULCER OF STOMACH	10	6	-	4	-
S32	ULCER OF DUODENUM	14	11	-	3	-
S33	PEPTIC ULCER, SITE UNSPECIFIED	4	2	-	2	-
S34	GASTROJEJUNAL ULCER	1	1	-	-	-
S35	GASTRITIS AND DUODENITIS	1	1	-	-	-
S36	DISORDERS OF FUNCTION OF STOMACH	1	1	-	-	-
S40-S43	APPENDICITIS	3	2	-	1	-
S40	ACUTE APPENDICITIS	3	2	-	1	-
S50-S53	HERNIA OF ABDOMINAL CAVITY	18	5	1	11	1
S50	INGUINAL HERNIA WITHOUT MENTION OF OBSTRUCTION	1	1	-	-	-
S51	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION	10	3	-	7	-
S52	INGUINAL HERNIA WITH OBSTRUCTION	2	-	1	1	-
S53	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION	5	1	-	3	1
S60-S69	OTHER DISEASES OF INTESTINE AND PERITONEUM	45	19	2	23	1
S60	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	14	5	-	9	-
S61	GASTROENTERITIS & COLITIS, EXCEPT ULCER- ATIVE, NONINFECTIOUS	1	-	-	1	-
S62	DIVERTICULA OF INTESTINE	12	6	-	6	-
S63	CHRONIC ENTERITIS AND ULCERATIVE COLITIS	4	3	-	1	-
S67	PERITONITIS	2	1	-	1	-
S69	OTHER DISEASES OF INTESTINES & PERITONEUM	12	4	2	5	1
S70-S77	DISEASES OF LIVER, GALLBLADDER, AND PANCREAS	137	71	7	51	8
S70	ACUTE AND SUBACUTE NECROSIS OF LIVER	1	-	-	1	-
S71	CIRRHOSIS OF LIVER	95	56	5	29	5
S73	OTHER DISEASES OF LIVER	6	2	-	3	1
S74	CHOLELITHIASIS	10	4	1	4	1
S75	CHOLECYSTITIS & CHOLANGITIS, WITHOUT MENTION OF CALCULUS	5	1	-	3	1
S76	OTHER DISEASES OF GALLBLADDER & BILIARY DUCTS	8	1	-	7	-
S77	DISEASES OF PANCREAS	12	7	1	4	-
S80-629	DISEASES OF THE GENITOURINARY SYSTEM	74	44	2	25	3
S80-S84	NEPHRITIS AND NEPHROSIS	19	14	1	4	-
S80	ACUTE NEPHRITIS	3	2	1	-	-
S81	NEPHROTIC SYNDROME	1	1	-	-	-
S82	CHRONIC NEPHRITIS	8	6	-	2	-
S83	NEPHRITIS, UNQUALIFIED	6	4	-	2	-
S84	RENAL SCLEROSIS, UNQUALIFIED	1	1	-	-	-
S90-S99	OTHER DISEASES OF URINARY SYSTEM	46	23	1	19	3
S90	INFECTIONS OF KIDNEY	23	11	1	9	2
S92	CALCULUS OF KIDNEY AND URETER	2	-	-	2	-
S93	OTHER DISEASES OF KIDNEY AND URETER	9	6	-	3	-
S95	CYSTITIS	1	1	-	-	-
S97	URETHRITIS - NONVENEREAL	1	-	-	1	-
S98	STRICTURE OF URETHRA	1	1	-	-	-
S99	OTHER DISEASES OF URINARY TRACT	9	4	-	4	1
600-607	DISEASES OF MALE GENITAL ORGANS	7	7	-	-	-
600	HYPERPLASIA OF PROSTATE	5	5	-	-	-
602	OTHER DISEASES OF PROSTATE	2	2	-	-	-
620-629	DISEASES OF UTERUS AND OTHER FEMALE GENITAL ORGANS	2	-	-	2	-
623	UTEROVAGINAL PROLAPSE	1	-	-	1	-
625	OTHER DISEASES OF UTERUS	1	-	-	1	-

TABLE 9
DEATHS BY CAUSE, SEX, AND COLOR
MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	5	4	-	1	-
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	2	2	-	-	-
682	OTHER CELLULITIS AND ABSCESS	2	2	-	-	-
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE.	3	2	-	1	-
694	PEMPHIGUS.	1	-	-	1	-
695	ERYTHEMATOUS CONDITIONS.	1	1	-	-	-
696	PSORIASIS AND SIMILAR DISORDERS.	1	1	-	-	-
710-738	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE.	26	12	1	12	1
710-718	ARTHRITIS AND RHEUMATISM, EXCEPT RHEUMATIC FEVER.	17	7	1	9	-
712	RHEUMATOID ARTHRITIS AND ALLIED CONDITIONS . . .	13	4	1	8	-
713	OSTEOARTHRITIS AND ALLIED CONDITIONS	1	1	-	-	-
715	ARTHRITIS, UNSPECIFIED	2	1	-	1	-
716	POLYMYOSITIS AND DERMATOMYOSITIS	1	1	-	-	-
720-729	OSTEOMYELITIS AND OTHER DISEASES OF BONE AND JOINT.	3	2	-	1	-
720	OSTEOMYELITIS AND PERIOSTITIS.	2	2	-	-	-
723	OTHER DISEASES OF BONE	1	-	-	1	-
730-738	OTHER DISEASES OF MUSCULOSKELETAL SYSTEM	6	3	-	2	1
733	OTHER DISEASES OF MUSCLE, TENDON, AND FASCIA	1	1	-	-	-
734	DIFFUSE DISEASES OF CONNECTIVE TISSUE.	5	2	-	2	1
740-759	CONGENITAL ANOMALIES	60	25	1	31	3
740-759	CONGENITAL ANOMALIES	60	25	1	31	3
741	SPINA BIFIDA	1	1	-	-	-
742	CONGENITAL HYDROCEPHALUS	1	-	-	1	-
743	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	9	3	-	6	-
746	CONGENITAL ANOMALIES OF HEART.	21	10	-	9	2
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	2	-	-	2	-
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM . . .	1	1	-	-	-
750	OTHER CONGENITAL ANOMALIES OF UPPER ALIMENTARY TRACT	2	2	-	-	-
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	2	1	-	1	-
752	CONGENITAL ANOMALIES OF GENITAL ORGANS	1	-	-	1	-
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	3	1	1	1	-
756	OTHER CONGENITAL ANOMALIES OF MUSCULO- SKELETAL SYSTEM.	4	2	-	2	-
758	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES . . .	2	1	-	1	-
759	CONGENITAL SYNDROMES AFFECTING MULTIPLE SYSTEMS.	11	3	-	7	1
760-779	CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY.	145	84	9	49	3
760-778	CERTAIN CAUSES OF PERINATAL MORBIDITY AND MORTALITY.	145	84	9	49	3
761	OTHER MATERNAL CONDITIONS UNRELATED TO PREGNANCY.	4	4	-	-	-
768	DIFFICULT LABOR WITH OTHER AND UNSPECIFIED COMPLICATIONS.	1	1	-	-	-
769	OTHER COMPLICATIONS OF PREGNANCY AND CHILDBIRTH	7	4	1	2	-

TABLE 9
DEATHS BY CAUSE, SEX AND COLOR

MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
770	CONDITIONS OF PLACENTA	5	2	1	2	-
772	BIRTH INJURY WITHOUT MENTION OF CAUSE	4	4	-	-	-
775	HEMOLYTIC DISEASE OF NEWBORN WITHOUT MENTION OF KERNICTERUS	2	-	-	2	-
776	ANOXIC AND HYPOXIC CONDITIONS NOT ELSEWHERE CLASSIFIABLE	78	47	5	26	-
777	IMMATURITY, UNQUALIFIED	40	20	2	16	2
778	OTHER CONDITIONS OF FETUS OR NEWBORN	4	2	-	1	1
780-796	SYMPTOMS AND ILL-DEFINED CONDITIONS	214	132	3	75	4
780-789	SYMPTOMS REFERABLE TO SYSTEMS OR ORGANS	67	41	-	25	1
780	CERTAIN SYMPTOMS REFERABLE TO NERVOUS SYSTEM AND SPECIAL SENSES	1	-	-	1	-
781	OTHER SYMPTOMS REFERABLE TO NERVOUS SYSTEM AND SPECIAL SENSES	1	1	-	-	-
782	SYMPTOMS REFERABLE TO CARDIOVASCULAR AND LYMPHATIC SYSTEM	63	39	-	23	1
788	OTHER GENERAL SYMPTOMS	2	1	-	1	-
790-796	SENILITY AND ILL-DEFINED DISEASES	147	91	3	50	3
792	UREMIA	1	1	-	-	-
794	SENILITY WITHOUT MENTION OF PSYCHOSIS	23	10	-	12	1
796	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	123	80	3	38	2
800-999	ACCIDENTS, POISONINGS, AND VIOLENCE	809	497	79	205	28
800-807	RAILWAY ACCIDENTS	8	7	-	1	-
800	RAILWAY ACCIDENT INVOLVING COLLISION WITH ROLLING STOCK	5	5	-	-	-
805	HIT BY ROLLING STOCK	3	2	-	1	-
810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	296	181	29	75	11
810	INVOLVING COLLISION WITH RAILWAY TRAIN	13	6	-	6	1
812	INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	101	50	15	30	6
813	INVOLVING COLLISION WITH OTHER VEHICLE	3	3	-	-	-
814	INVOLVING COLLISION WITH PEDESTRIAN	32	16	2	12	2
815	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION	43	36	1	5	1
816	NONCOLLISION TRAFFIC ACCIDENT DUE TO LOSS OF CONTROL	99	69	9	20	1
818	OTHER NONCOLLISION TRAFFIC ACCIDENT	2	-	1	1	-
819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	3	1	1	1	-
820-823	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	14	7	2	5	-
820	NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	7	2	1	4	-
821	NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	1	1	-	-	-
823	NONTRAFFIC ACCIDENT OF OTHER & UNSPECIFIED NATURE	6	4	1	1	-
825-827	OTHER ROAD VEHICLE ACCIDENTS	9	4	-	4	1
827	OTHER NONMOTOR ROAD VEHICLE ACCIDENT	9	4	-	4	1
830-838	WATER TRANSPORT ACCIDENTS	10	10	-	-	-
830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	9	9	-	-	-
832	OTHER ACCIDENTAL SUBMERSION OR DROWNING IN WATER TRANSPORT	1	1	-	-	-
840-845	AIR AND SPACE TRANSPORT ACCIDENTS	9	8	-	1	-
841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	9	8	-	1	-

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BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
850-859	ACCIDENTAL POISONING BY DRUGS AND MEDICAMENTS.	4	-	2	1	1
850	BY ANTIBIOTICS AND OTHER ANTI-INFECTIVES	1	-	1	-	-
853	BY ANALGESICS AND ANTIPYRETICS	2	-	1	-	1
854	BY OTHER SEDATIVES AND HYPNOTICS	1	-	-	1	-
860-869	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES.	5	-	1	4	-
860	BY ALCOHOL	1	-	1	-	-
868	BY NOXIOUS FOODSTUFFS AND POISONOUS PLANTS	2	-	-	2	-
869	BY OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES	2	-	-	2	-
870-877	ACCIDENTAL POISONING BY GASES AND VAPORS	27	18	2	5	2
870	BY GAS DISTRIBUTED BY PIPELINE	7	4	1	2	-
871	BY LIQUEFIED PETROLEUM GAS DISTRIBUTED IN MOBILE CONTAINERS.	1	1	-	-	-
872	BY OTHER UTILITY GAS	3	2	-	1	-
873	BY MOTOR VEHICLE EXHAUST GAS	14	10	1	1	2
875	BY OTHER CARBON MONOXIDE	1	1	-	-	-
876	BY OTHER GASES AND VAPORS.	1	-	-	1	-
880-887	ACCIDENTAL FALLS	73	26	4	41	2
880	FALL ON OR FROM STAIRS OR STEPS.	10	5	1	4	-
881	FALL ON OR FROM LADDERS OR SCAFFOLDING	4	3	1	-	-
882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE.	2	2	-	-	-
883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	2	1	1	-	-
884	OTHER FALL FROM ONE LEVEL TO ANOTHER.	6	1	1	3	1
885	SAME LEVEL FROM SLIPPING, STUMBLING OR TRIPPING	10	4	-	5	1
887	OTHER AND UNSPECIFIED FALL	39	10	-	29	-
890-899	ACCIDENTS CAUSED BY FIRES AND FLAMES	26	12	4	9	1
890	CONFLAGRATION IN PRIVATE DWELLING.	7	5	-	2	-
891	CONFLAGRATION IN OTHER BUILDING OR STRUCTURE.	2	1	-	1	-
893	IGNITION OF CLOTHING	4	2	2	-	-
894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL.	6	2	1	2	1
898	OTHER SPECIFIED FIRES OR FLAMES.	5	2	1	2	-
899	UNSPECIFIED FIRE	2	-	-	2	-
900-909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS.	14	10	1	3	-
901	EXCESSIVE COLD	5	4	-	1	-
904	HUNGER, THIRST, EXPOSURE AND NEGLECT	6	4	1	1	-
906	OTHER ACCIDENTS CAUSED BY ANIMALS.	3	2	-	1	-
910-929	OTHER ACCIDENTS.	111	89	8	13	1
910	ACCIDENTAL DROWNING AND SUBMERSION	37	27	3	7	-
911	INHALATION & INGESTION OF FOOD CAUSING OBSTRUCTION OR SUFFOCATION	11	7	2	2	-
912	INHALATION & ING. OF OTHER OBJECT CAUSING OBSTRUCTION OR SUFFOCATION	2	1	-	-	1
913	ACCIDENTAL MECHANICAL SUFFOCATION.	6	3	1	2	-
916	STRUCK ACCIDENTALLY BY FALLING OBJECT.	9	9	-	-	-
917	STRIKING AGAINST OR STRUCK ACCIDENTALLY BY OBJECTS.	7	7	-	-	-
918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS.	5	5	-	-	-
920	CAUSED BY CUTTING OR PIERCING INSTRUMENTS.	1	1	-	-	-
922	CAUSED BY FIREARM MISSILES	13	10	2	1	-
923	CAUSED BY EXPLOSIVE MATERIAL	2	2	-	-	-
924	CAUSED BY HOT SUBSTANCE, CORROSIVE LIQUID, AND STEAM.	2	1	-	1	-

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MONTANA, 1971

BY PLACE OF RESIDENCE

INTL. LIST NUMBER	CAUSE OF DEATH	TOTAL	MALE		FEMALE	
			WHITE	OTHER	WHITE	OTHER
925	CAUSED BY ELECTRIC CURRENT	7	7	-	-	-
927	VEHICLE ACCIDENTS NOT ELSEWHERE CLASSIFIABLE	2	2	-	-	-
928	MACHINERY ACCIDENTS NOT ELSEWHERE CLASSIFIABLE	6	6	-	-	-
929	OTHER AND UNSPECIFIED ACCIDENTS.	1	1	-	-	-
940-949	LATE EFFECTS OF ACCIDENTAL INJURY.	3	1	1	1	-
940	LATE EFFECT OF MOTOR VEHICLE ACCIDENT.	1	1	-	-	-
943	LATE EFFECT OF ACCIDENTAL FALL	1	-	1	-	-
946	LATE EFFECT OF OTHER ACCIDENTS	1	-	-	1	-
950-959	SUICIDE AND SELF-INFLICTED INJURY.	117	80	9	25	3
950	SELF-INFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES.	15	1	3	9	2
952	SELF-INFLICTED POISONING BY OTHER GASES.	12	10	-	2	-
953	SELF-INFLICTED INJURY BY HANGING, STRANGU- LATION, AND SUFFOCATION.	10	5	4	1	-
955	SELF-INFLICTED INJURY BY FIREARMS AND EXPLOSIVES	78	62	2	13	1
956	SELF-INFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	1	1	-	-	-
957	SELF-INFLICTED INJURY BY JUMPING FROM HIGH PLACE.	1	1	-	-	-
960-969	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS.	43	22	9	9	3
960	FIGHT, BRAWL, RAPE	2	-	2	-	-
965	ASSAULT BY FIREARMS AND EXPLOSIVES	28	18	5	3	2
966	ASSAULT BY CUTTING AND PIERCING INSTRUMENTS.	4	-	2	2	-
968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	8	3	-	4	1
969	LATE EFFECT OF INJURY PURPOSELY INFLICTED BY OTHER PERSON.	1	1	-	-	-
980-989	INJURY UNCERTAINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED.	40	22	7	8	3
980	POISONING BY SOLID OR LIQUID SUBSTANCES.	8	6	1	-	1
982	POISONING BY OTHER GASES	1	1	-	-	-
984	SUBMERSION - DROWNING.	3	1	1	1	-
985	INJURY BY FIREARMS AND EXPLOSIVES.	13	12	-	1	-
987	FALLING FROM HIGH PLACE.	1	1	-	-	-
988	INJURY BY OTHER AND UNSPECIFIED MEANS.	14	1	5	6	2

PROPORTION OF DEATHS FROM MAJOR CAUSES: Montana, 1972

(By place of residence)

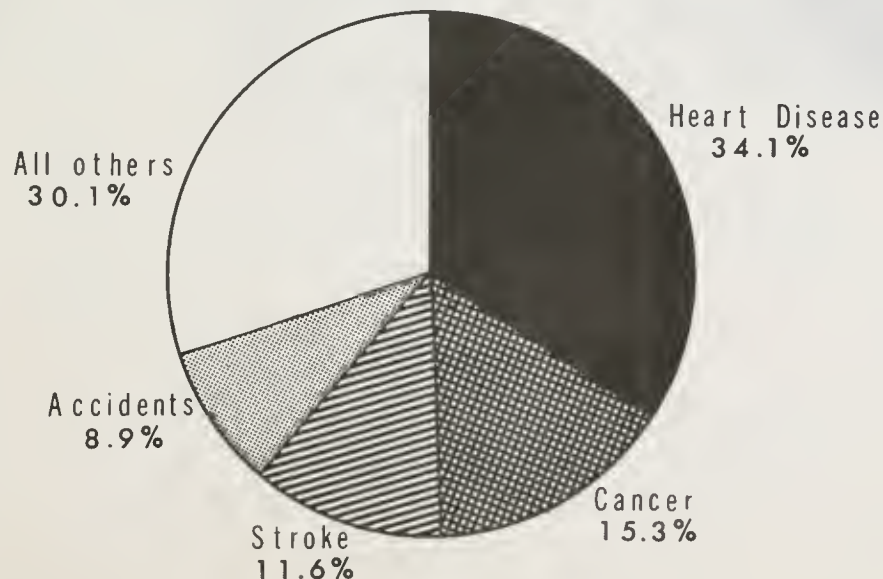
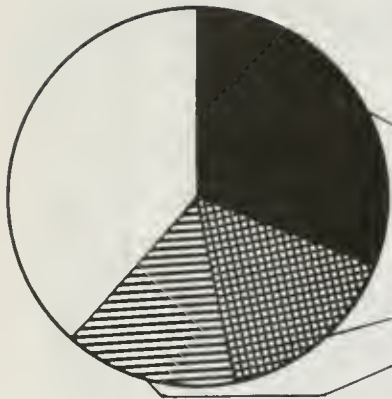
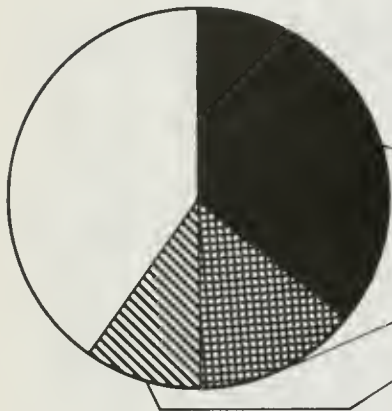


Table 10

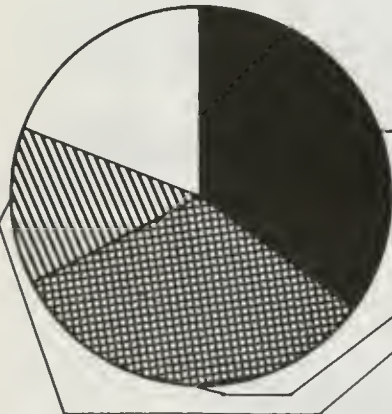
IMPORTANT CAUSES OF DEATH BY AGE GROUP
Montana, 1971
(By place of residence)



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
UNDER 1 YEAR				
Total, All Causes		267	100.0	
Birth Injury, difficult labor and other hypoxic & anoxic conditions . . .	764-768,772,776	83	31.1	1
Congenital malformations	740-759	42	15.7	2
Immaturity unqualified	777	40	15.0	3
Other diseases of early infancy (exclusive of infections)	760-763,769,770- 771,773-775,778	22	8.2	4
Violent & accidental deaths	810-929,960-989	17	6.4	5
Pneumonia, all forms	480-486	16	6.0	6
All other causes		47	17.6	



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
1-4 YEARS				
Total, All Causes		50	100.0	
Accidents, exclusive of motor vehicle	800-807,825-949	18	36.0	1
Motor vehicle accidents	810-823	7	14.0	2
Congenital malformations	740-759	5	10.0	3
Pneumonia, all forms	480-486	4	8.0	4
Homicide	960-969	4	8.0	4
All other causes		12	24.0	



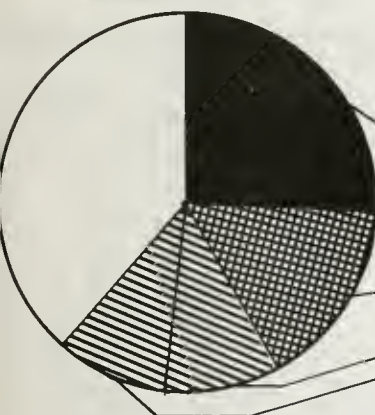
CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
5-14 YEARS				
Total, All Causes		74	100.0	
Accidents, exclusive of motor vehicle	800-807,825-949	26	35.1	1
Motor vehicle accidents	810-823	24	32.4	2
Malignant neoplasms	140-209	10	13.5	3
All other causes		14	18.9	

Table 10, Continued

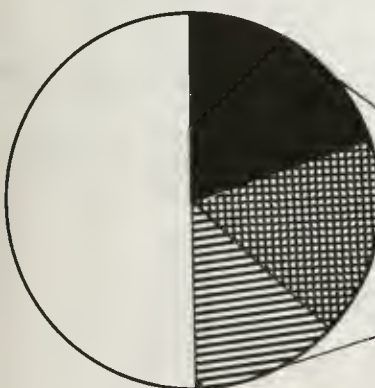
IMPORTANT CAUSES OF DEATH BY AGE GROUP
Montana, 1971
(By place of residence)



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
15-24 YEARS				
Total, All Causes		213	100.0	
Motor vehicle accidents	810-823	99	46.5	1
Accidents, exclusive of motor vehicle	800-807,825-949	38	17.8	2
Suicides	950-959	22	10.3	3
Malignant neoplasms	140-209	10	4.7	4
Injury undetermined whether accidents or purposely inflicted	980-989	10	4.7	4
Homicides	960-969	8	3.8	5
All other causes		26	12.2	



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
25-34 YEARS				
Total, All Causes		162	100.0	
Motor vehicle accidents	810-823	42	25.9	1
Accidents, exclusive of motor vehicle	800-807,825-949	26	16.0	2
Malignant neoplasms	140-209	16	9.9	3
Suicides	950-959	16	9.9	3
Homicides	960-969	11	6.8	4
Injury undetermined whether accidents or purposely inflicted	980-989	9	5.6	5
All other causes		42	25.9	



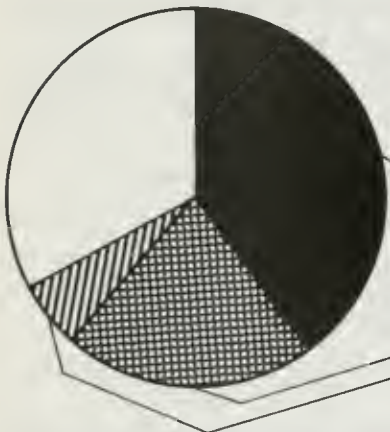
CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
35-44 YEARS				
Total, All Causes		257	100.0	
Heart diseases	390-398,410-429	51	19.8	1
Malignant neoplasms	140-209	44	17.1	2
Motor vehicle accidents	810-823	33	12.8	3
Accidents, exclusive of motor vehicle	800-807,825-945	30	11.7	4
Suicides	950-959	17	6.6	5
Cerebrovascular disease	430-438	14	5.4	6
All other causes		68	26.5	

Table 10, Continued

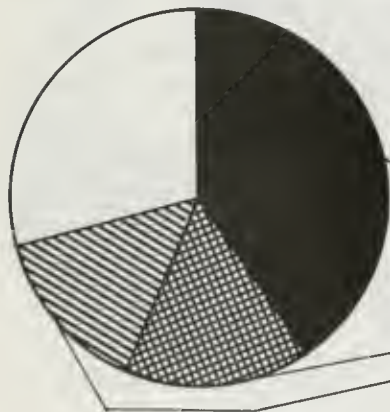
IMPORTANT CAUSES OF DEATH BY AGE GROUP
Montana, 1971
(By place of residence)



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
45-54 YEARS				
Total, All Causes		540	100.0	
Heart diseases	390-398,402,404 410-429	145	26.9	1
Malignant neoplasms	140-209	126	23.3	2
Accidents, exclusive of motor vehicle	800-807,825-949	38	7.0	3
Motor vehicle accidents	810-823	31	5.7	4
Suicides	950-959	27	5.0	5
Cerebrovascular disease	430-438	23	4.3	6
Cirrhosis of liver	571	20	3.7	7
All other causes		130	24.1	



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
55-64 YEARS				
Total, All Causes		990	100.0	
Heart diseases	390-398,402,404 410-429	394	39.8	1
Malignant neoplasms	140-209	215	21.7	2
Cerebrovascular disease	430-438	57	5.8	3
Cirrhosis of liver	571	32	3.2	4
Accidents, exclusive of motor vehicle	800-807,825-949	29	2.9	5
Bronchitis, emphysema & asthma	490-493	28	2.8	6
Motor vehicle accidents	810-823	27	2.7	7
Suicides	950-959	22	2.2	8
All other causes		186	18.8	



CAUSE OF DEATH	EIGHTH REVISION International List Number	Number	Percent	Rank Order
65 AND OVER				
Total, All Causes		4,304	100.0	
Heart diseases	390-398,402,404 410-429	1,734	40.3	1
Cerebrovascular disease	430-438	692	16.1	2
Malignant neoplasm	140-209	628	14.6	3
Pneumonia, all forms	480-486	153	3.6	4
Arteriosclerosis	440	151	3.5	5
Bronchitis, emphysema & asthma	490-493	106	2.4	6
Diabetes mellitus	250	93	2.2	7
Accidents, exclusive of motor vehicle	800-807,825-949	91	2.1	8
All other causes		656	15.2	

TABLE 11

DEATHS FROM SELECTED ACCIDENTS BY AGE
MONTANA, 1971BY PLACE OF OCCURRENCE. EACH PERCENT HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST ONE-TENTH
OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS SHOWN.

EIGHTH REVISION INTERNATIONAL LIST NUMBER	ACCIDENTAL CAUSE OF DEATH	TOTAL ALL AGES	UNDER 1 YEAR	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65 AND OVER	AGE NOT STATED
	TOTAL DEATHS, ALL CAUSES	6,749	253	46	42	31	105	118	153	252	537	961	4,247	4
	ACCIDENTAL DEATHS, TOTAL	643	14	26	29	20	67	86	68	71	75	59	129	-
810-823	MOTOR VEHICLE, TOTAL	339	2	7	15	9	49	70	43	41	36	28	39	-
800-807,825-949	OTHER ACCIDENTS, TOTAL	304	12	18	14	11	18	16	25	30	39	31	90	-
800-807,825-845	OTHER TRANSPORTATION, TOTAL	39	-	-	2	3	2	4	8	3	8	6	3	-
840-845	AIRCRAFT	9	-	-	-	-	-	1	3	1	2	2	-	-
800-807,825-838	OTHER	30	-	-	2	3	2	3	5	2	6	4	3	-
850-869	POISONING BY SOLIDS AND LIQUIDS, TOTAL	10	2	2	-	-	-	-	-	4	1	-	1	-
850-859	DRUGS AND MEDICATIONS	5	1	2	-	-	-	-	-	1	1	-	-	-
860-869	OTHER	5	1	-	-	-	-	-	-	3	-	-	1	-
870-877	POISONING BY GASES, TOTAL	25	-	-	-	1	-	4	2	5	4	5	4	-
870-872	UTILITY GAS	8	-	-	-	-	-	-	-	-	2	3	3	-
873-877	OTHER	17	-	-	-	1	-	4	2	5	2	2	1	-
880-887	FALLS, TOTAL	76	1	2	-	-	1	2	3	2	4	3	58	-
880	ON OR FROM STAIRS	10	-	-	-	-	-	1	-	-	1	1	7	-
881	ON OR FROM LADDER	4	-	-	-	-	-	-	1	1	-	-	2	-
882	FROM OR OUT OF BUILDING	2	-	1	-	-	-	1	-	-	-	-	-	-
883	INTO OPENING IN SURFACE	2	-	-	-	-	1	-	1	-	-	-	-	-
884	ONE LEVEL TO ANOTHER	7	1	1	-	-	-	-	1	-	-	-	4	-
885-886	SAME LEVEL	10	-	-	-	-	-	-	-	-	1	-	9	-
887	UNSPECIFIED	41	-	-	-	-	-	-	-	1	2	2	36	-
890-899	FIRE AND FLAMES, TOTAL	24	-	-	1	1	-	1	1	5	3	4	8	-
923	EXPLOSIONS, TOTAL	3	-	-	-	-	-	-	-	1	1	1	1	-
922	INJURY BY FIREARMS, TOTAL	12	-	1	-	2	3	-	1	1	2	-	2	-
910	DROWNING, TOTAL	43	1	6	9	2	7	1	3	1	4	6	3	-
916	STRUCK BY FALLING OBJECT, TOTAL	6	-	-	-	-	-	-	1	2	-	2	1	-
900-909,911-915 917-921,924-949	OTHER ACCIDENTS, TOTAL	66	8	7	2	2	5	4	6	6	13	4	9	-
P E R C E N T O F D E A T H S F R O M C A U S E S														
	ACCIDENTAL DEATHS, TOTAL	9.5	5.5	54.3	69.0	64.5	63.8	72.9	44.4	28.2	14.0	6.1	3.0	0.0
810-823	MOTOR VEHICLE, TOTAL	5.0	0.8	15.2	35.7	29.0	46.7	59.3	28.1	16.3	6.7	2.9	0.9	0.0
800-807,825-949	OTHER ACCIDENTS, TOTAL	4.5	4.7	39.1	33.3	35.5	17.1	13.6	16.3	11.9	7.3	3.2	2.1	0.0

TABLE 12

LIST OF MATERNAL DEATHS BY COUNTY OF OCCURRENCE, COUNTY OF RESIDENCE, RACE, AGE, AND CAUSE OF DEATH
MONTANA, 1963-1971

PLACE OF OCCURRENCE	YEAR OF OCC.	PLACE OF RESIDENCE	RACE	AGE	SEVENTH REVISION INTERNATIONAL LIST NUMBER	CAUSE OF DEATH
BIG HORN	1968	BIG HORN	INDIAN	29	634.9*	SPONTANEOUS UTERINE RUPTURE
CASCADE	1970	CASCADE	WHITE	29	677.9*	OTHER AND UNSPECIFIED COMPLICATIONS OF THE PUERPERIUM
CASCADE	1967	CASCADE	WHITE	30	648.3	RUPTURED UTERUS
CASCADE	1964	CASCADE	WHITE	41	670.6	PLACENTA ABRUPTIO
CASCADE	1964	PONDERA	WHITE	38	642.5	TOXEMIA OF PREGNANCY
DAWSON	1970	DAWSON	WHITE	20	661.8*	DELIVERY COMPLICATED BY OBSTETRIC SHOCK
HILL	1963	BLAINE	INDIAN	31	672.6	SHOCK WITH PERIPHERAL VASCULAR COLLAPSE SECONDARY UTERINE HEMORRHAGE
JEFFERSON	1966	JEFFERSON	WHITE	22	650.2	SELF-INDUCED ABORTION
LINCOLN	1963	LINCOLN	WHITE	36	681	PUERPERAL SEPSIS PROLONGED LABOR
MADISON	1965	MADISON	WHITE	25	645.0	RUPTURED ECTOPIC PREGNANCY
MISSOULA	1967	LAKE	INDIAN	19	670.5	DELIVERY COMPLICATED BY PLACENTA PREVIA
POWELL	1964	POWELL	WHITE	39	648.3	RUPTURED UTERUS
RICHLAND	1964	RICHLAND	WHITE	20	675.5	CESAREAN SECTION-DYSTOCIA
RICHLAND	1964	RICHLAND	WHITE	32	670.6	PLACENTA PREVIA
ROOSEVELT	1965	RICHLAND	WHITE	24	681	PUERPERAL SEPSIS OPERATION REMOVAL OF INFARCTED UTERUS
SHERIDAN	1969	SHERIDAN	WHITE	36	631.0*	ABDOMINAL PREGNANCY WITH SEPSIS
SILVER BOW	1970	SILVER BOW	WHITE	30	673.1*	AMNIOTIC FLUID EMBOLISM
SILVER BOW	1967	DEER LODGE	OTHER	23	648.1	ABORTION OF HYDATIDIFORM MOLE
SILVER BOW	1966	SILVER BOW	WHITE	23	681	PUERPERAL SEPSIS
SILVER BOW	1966	SILVER BOW	WHITE	40	648.3	RUPTURED UTERUS
VALLEY	1964	VALLEY	WHITE	38	672.6	AFIBRINOGENEMIA
YELLOWSTONE	1964	YELLOWSTONE	WHITE	24	678.6	EMBOLISM LEFT INTERNAL CAROTID ARTERY

TABLE 13
DEATHS FROM SELECTED CAUSES BY COUNTY
MONTANA, 1971
BY PLACE OF RESIDENCE

COUNTY	EIGHTH REVISION, INTERNATIONAL LIST NUMBER														All Other Causes
	Total, All Causes	800-949 Accidents	540-543 Appendicitis	430-438 Cerebrovascular Disease	140-209 Cancer	250 Diabetes	390-398 402,404 410-429 Heart Disease	470-474 Influenza	320 Meningitis	580-584 Nephritis	480-486 Pneumonia	040-044 Poliomylitis	090-097 Syphilis	010-019 Tuberculosis	
MONTANA, TOTAL	6,860	609	3	796	1,050	120	2,339	9	9	19	210	1	-	10	1,685
BEAVERHEAD	109	12	-	10	15	1	27	-	-	-	6	-	-	1	37
BIG HORN	86	15	-	9	11	-	22	-	1	-	7	-	-	-	21
BLAINE	73	10	-	7	5	1	27	1	1	1	1	-	-	-	19
BRADWATER	20	1	-	2	4	-	5	-	-	-	1	-	-	-	7
CARBON	140	9	-	24	23	1	48	-	-	-	4	-	-	-	31
CARTER	20	1	-	1	3	-	6	-	-	1	1	-	-	-	7
CASCADE	667	67	1	68	109	12	216	1	1	-	16	-	-	2	194
CHOUTEAU	57	1	-	7	8	-	29	-	-	-	3	-	-	-	9
CUSTER	137	20	-	15	25	1	57	-	-	-	5	-	-	-	24
DANIELS	58	4	-	6	8	5	20	1	-	-	-	-	-	-	14
DAWSON	88	5	-	11	12	4	40	-	-	-	2	-	-	-	14
DEER LODGE	172	12	-	22	17	2	78	-	-	1	1	-	-	-	39
FALLON	28	2	-	4	2	2	10	-	-	1	-	-	-	-	7
FERGUS	144	19	-	19	30	4	54	-	-	-	1	-	-	-	27
FLATHEAD	397	43	-	37	66	9	154	-	1	-	13	-	-	-	74
GALLATIN	224	20	-	31	35	6	90	-	-	-	5	-	-	-	39
GARFIELD	20	3	-	1	3	2	9	-	-	-	1	-	-	-	1
GLACIER	113	24	-	10	11	-	33	-	-	-	4	-	-	-	31
GOLDEN VALLEY	7	1	-	-	-	-	1	-	-	-	-	-	-	-	5
GRANITE	31	3	-	5	3	1	11	-	-	-	1	-	-	-	7
HILL	131	15	-	8	29	3	36	2	-	1	4	-	-	1	32
JEFFERSON	44	6	-	6	3	-	11	-	-	-	2	-	-	-	16
JUDITH BASIN	13	1	-	1	1	1	9	-	-	-	-	-	-	-	-
LAKE	181	21	-	28	23	5	50	-	-	-	5	-	-	-	49
LEWIS & CLARK	325	23	-	42	59	5	94	-	1	2	8	-	-	-	91
LIBERTY	23	3	-	2	3	-	11	-	-	-	-	-	-	-	4
LINCOLN	146	16	-	22	19	4	52	-	1	-	6	-	-	-	26
MCCONE	42	5	-	4	7	1	14	-	-	1	2	-	-	-	8
MADISON	68	1	-	8	13	-	18	-	-	1	1	-	-	-	26
MEAGHER	29	2	-	3	2	-	9	-	-	-	1	-	-	-	12
MINERAL	26	5	-	3	5	-	7	-	-	-	1	-	-	-	5
MISSOULA	443	61	1	65	60	7	160	1	1	-	13	-	-	1	83
MUSSELSHELL	52	4	-	5	8	1	21	-	-	-	-	-	-	-	11
PARK	144	6	-	12	24	1	64	-	-	-	3	-	-	-	34
PETROLEUM	9	-	-	2	1	-	4	-	-	-	-	-	-	-	2

TABLE 13. CONTINUED

DEATHS FROM SELECTED CAUSES BY COUNTY
MONTANA, 1971
BY PLACE OF RESIDENCE

COUNTY	EIGHTH REVISION, INTERNATIONAL LIST NUMBER														All Other Causes
	Total, All Causes	Accidents 800-949	Appendicitis 540-543	Cerebrovascular Disease 430-438	Cancer 140-209	Diabetes 250	Heart Disease 390-398 402,404 410-429	Influenza 470-474	Meningitis 320	Nephritis 580-584	Pneumonia 480-486	Polomyelitis 040-044	Syphilis 090-097	Tuberculosis 010-019	
PHILLIPS	60	4	-	8	8	1	25	1	-	-	2	-	-	-	11
PONDERA	77	12	-	7	11	1	23	1	-	-	1	-	-	-	20
POWDER RIVER	14	2	-	1	2	-	8	-	-	-	-	-	-	-	1
POWELL	63	4	-	5	6	1	24	-	-	1	5	-	-	-	14
PRAIRIE	21	2	-	-	3	2	7	-	-	-	-	-	-	-	7
RAVALLI	191	18	1	30	24	1	74	-	1	-	4	-	-	-	38
RICHLAND	104	6	-	19	14	4	41	-	-	1	2	-	-	1	16
ROOSEVELT	139	21	-	8	21	2	48	-	-	-	5	-	-	-	34
ROSEBUD	70	10	-	6	11	1	15	1	-	-	2	-	-	-	24
SANDERS	99	11	-	22	11	3	34	-	-	-	7	-	-	-	11
SHERIDAN	72	2	-	4	15	2	34	-	-	-	2	-	-	-	13
SILVER BOW	629	37	-	53	99	11	212	-	-	4	23	-	-	2	188
STILLWATER	57	6	-	8	9	2	18	-	-	-	1	-	-	-	13
SWEET GRASS	40	4	-	11	8	-	11	-	-	-	2	-	-	-	8
TETON	68	7	-	8	10	-	22	-	-	-	2	-	-	-	19
TOOLE	65	3	-	10	12	-	23	-	-	1	2	-	-	1	13
TREASURE	7	1	-	1	2	-	2	-	-	-	8	-	-	-	1
VALLEY	99	8	-	10	14	-	30	-	-	-	2	-	-	-	29
WHEATLAND	37	4	-	3	7	1	9	-	-	-	2	-	-	-	11
WIBAUX	23	1	-	3	4	-	4	-	-	-	-	-	-	-	11
YELLOWSTONE	656	57	-	79	109	9	178	-	1	2	22	1	-	1	197

TABLE 14

INFANT MORTALITY BY RACE AND AGE GROUP AND FIVE-YEAR INFANT MORTALITY RATES

MONTANA COUNTIES, 1971
BY PLACE OF RESIDENCE

COUNTY	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS			FIVE-YEAR INFANT MORTALITY RATE*
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	
MONTANA, TOTAL	267	239	28	185	169	16	82	70	12	21.5
BEAVERHEAD	4	4	-	4	4	-	-	-	-	27.7
BIG HORN	9	3	6	2	-	2	7	3	4	28.0
BLAINE	5	4	1	3	2	1	2	2	-	23.0
BROADWATER	2	2	-	1	1	-	1	1	-	20.0
CARBON	1	1	-	1	1	-	-	-	-	27.2
CARTER	1	1	-	1	1	-	-	-	-	13.1
CASCADE	30	28	2	22	21	1	8	7	1	17.9
CHOUTEAU	2	2	-	2	2	-	-	-	-	26.7
CUSTER	3	3	-	2	2	-	1	1	-	16.1
DANIELS	2	2	-	-	-	-	2	2	-	30.9
DAWSON	5	5	-	4	4	-	1	1	-	14.1
DEER LODGE	7	7	-	5	5	-	2	2	-	31.0
FALLON	4	4	-	3	3	-	1	1	-	24.6
FERGUS	3	3	-	2	2	-	1	1	-	25.9
FLATHEAD	9	9	-	3	3	-	6	6	-	23.7
GALLATIN	9	9	-	7	7	-	2	2	-	21.5
GARFIELD	+	-	-	-	-	-	-	-	-	7.1
GLACIER	3	1	2	3	1	2	-	-	-	22.2
GOLDEN VALLEY	+	-	-	-	-	-	-	-	-	14.1
GRANITE	1	1	-	-	-	-	1	1	-	31.7
HILL	1	1	-	1	1	-	-	-	-	11.0
JEFFERSON	1	1	-	1	1	-	-	-	-	29.9
JUDITH BASIN	+	-	-	-	-	-	-	-	-	28.9
LAKE	6	3	3	4	1	3	2	2	-	28.3
LEWIS & CLARK	13	13	-	9	9	-	4	4	-	21.8
LIBERTY	+	-	-	-	-	-	-	-	-	17.0
LINCOLN	5	5	-	3	3	-	2	2	-	26.4
MCCONE	3	3	-	2	2	-	1	1	-	33.6
MADISON	1	1	-	1	1	-	-	-	-	18.2
MEAGHER	+	-	-	-	-	-	-	-	-	16.5
MINERAL	2	2	-	2	2	-	-	-	-	36.6
MISSOULA	18	18	-	12	12	-	6	6	-	19.5
MUSSELSHELL	1	1	-	1	1	-	-	-	-	22.1
PARK	5	5	-	3	3	-	2	2	-	21.4
PETROLEUM	+	-	-	-	-	-	-	-	-	0.0
PHILLIPS	3	3	-	2	2	-	1	1	-	24.7
PONDERA	2	2	-	1	1	-	1	1	-	28.8
POWDER RIVER	1	1	-	-	-	-	1	1	-	26.5
POWELL	5	5	-	4	4	-	1	1	-	24.3
PRAIRIE	+	-	-	-	-	-	-	-	-	14.5
RAVALLI	5	5	-	4	4	-	1	1	-	21.5
RICHLAND	3	3	-	-	-	-	3	3	-	17.8
ROOSEVELT	14	5	9	10	5	5	4	-	4	42.0
ROSEBUD	2	2	-	2	2	-	-	-	-	18.2
SANDERS	2	2	-	2	2	-	-	-	-	13.4
SHERIDAN	+	-	-	-	-	-	-	-	-	20.6
SILVER BOW	22	22	-	20	20	-	2	2	-	25.2
STILLWATER	1	1	-	1	1	-	-	-	-	10.1
SWEET GRASS	1	1	-	1	1	-	-	-	-	13.7
TETON	1	1	-	-	-	-	1	1	-	16.0
TOOLE	1	1	-	1	1	-	-	-	-	23.5
TREASURE	1	-	1	1	-	1	-	-	-	11.4
VALLEY	5	3	2	3	2	1	2	1	1	26.0
WHEATLAND	1	1	-	1	1	-	-	-	-	15.5
WIBAUX	+	-	-	-	-	-	-	-	-	0.0
YELLOWSTONE	41	39	2	28	28	-	13	11	2	17.9

* NUMBER OF DEATHS UNDER ONE YEAR OF AGE PER 1,000 LIVE BIRTHS.

TABLE 15

INFANT MORTALITY FROM SELECTED CAUSES BY AGE GROUP

MONTANA, 1971

EXCLUSIVE OF FETAL DEATHS, BY PLACE OF RESIDENCE

EIGHTH REVISION INTERNATIONAL LIST NUMBER	CAUSE OF DEATH	TOTAL UNDER 1 YEAR			UNDER 28 DAYS			1-11 MONTHS		
		TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER
740-759 762 764-768, 772-776	TOTAL, ALL CAUSES.	267	239	28	185	169	16	82	70	12
	PRENATAL AND NATAL CAUSES, TOTAL	187	172	15	170	157	13	17	15	2
	CONGENITAL MALFORMATIONS	42	39	3	25	24	1	17	15	2
	TOXEMIA OF PREGNANCY	4	-	-	-	-	-	-	-	-
	BIRTH INJURY, DIFFICULT LABOR AND OTHER HYPOXIC AND ANOXIC CONDITIONS	83	78	5	83	78	5	-	-	-
774-775 777 760-778 EXCL. OF ABOVE	HEMORRHAGIC DISEASES OF NEWBORN	2	2	-	2	2	-	-	-	-
	IMMATURE, UNQUALIFIED	40	36	4	40	36	4	-	-	-
	OTHER DISEASES OF EARLY INFANCY	20	17	3	20	17	3	-	-	-
	INFECTIONS, TOTAL	23	20	3	8	7	1	15	13	2
470-474, 480-486 009 000-136 EXCL. OF ABOVE	PNEUMONIA AND INFLUENZA	16	14	2	7	6	1	9	8	1
	DIARRHEAL DISEASE	-	-	-	-	-	-	-	-	-
	OTHER INFECTIVE AND PARASITIC DISEASES NOT ELSEWHERE CLASSIFIED	7	6	1	1	1	-	6	5	1
	VIOLENT AND ACCIDENTAL DEATHS, TOTAL	17	14	3	-	-	-	17	14	3
810-823 911-913 800-807, 825-910 914-949, 960-969 980-989	MOTOR VEHICAL ACCIDENTS	2	2	-	-	-	-	2	2	-
	SUFFOCATION	9	7	2	-	-	-	9	7	2
	OTHER VIOLENT AND ACCIDENTAL DEATHS	6	5	1	-	-	-	6	5	1
	ALL OTHER CAUSES	40	33	7	7	5	2	33	28	5

TABLE 16
COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1971

YEAR	DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION		POLIOMYELITIS	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	61	16.2	24	6.4	16	4.3	1	0.3	17	4.5
1915	21	4.5	41	8.8	7	1.5	7	1.5	1	0.2
1916	38	7.8	58	11.9	36	7.4	20	4.1	24	4.9
1917	40	7.9	43	8.5	46	9.1	6	1.2	8	1.6
1918	45	8.6	2,654	508.5	18	3.4	16	3.1	7	1.3
1919	41	7.6	687	127.2	16	3.0	15	2.8	3	0.6
1920	32	5.8	304	55.4	27	4.9	15	2.7	5	0.9
1921	47	8.6	49	9.0	35	6.4	7	1.3	2	0.4
1922	61	11.2	239	43.8	-	0.0	8	1.5	7	1.3
1923	51	9.4	158	29.0	19	3.5	7	1.3	6	1.1
1924	56	10.3	64	11.8	73	13.4	5	0.9	23	4.2
1925	34	6.3	109	20.1	5	0.9	5	0.9	6	1.1
1926	18	3.3	241	44.5	21	3.9	20	3.7	5	0.9
1927	20	3.7	147	27.2	30	5.5	66	12.2	4	0.7
1928	20	3.7	366	67.8	8	1.5	65	12.0	10	1.9
1929	12	2.2	212	39.4	46	8.5	60	11.1	-	0.0
1930	4	0.7	102	19.0	12	2.2	22	4.1	6	1.1
1931	7	1.3	152	28.1	3	0.6	13	2.4	15	2.8
1932	2	0.4	190	35.0	12	2.2	5	0.9	4	0.7
1933	17	3.1	173	31.8	15	2.8	3	0.6	2	0.4
1934	10	1.8	122	22.3	30	5.5	7	1.3	14	2.6
1935	14	2.5	173	31.5	49	8.9	15	2.7	1	0.2
1936	10	1.8	101	18.3	3	0.5	23	4.2	5	0.9
1937	10	1.8	244	44.1	2	0.4	7	1.3	6	1.1
1938	9	1.6	81	14.6	12	2.2	9	1.6	3	0.5
1939	3	0.5	99	17.7	16	2.9	4	0.7	1	0.2
1940	6	1.1	77	13.8	5	0.9	6	1.1	7	1.3
1941	13	2.5	90	17.0	1	0.2	5	0.9	9	1.7
1942	5	1.0	26	5.2	-	0.0	7	1.4	-	0.0
1943	5	1.1	58	12.3	6	1.3	5	1.1	10	2.1
1944	6	1.2	50	10.3	13	2.7	3	0.6	6	1.2
1945	4	0.8	47	9.3	1	0.2	3	0.6	10	2.0
1946	5	1.0	25	4.8	3	0.6	3	0.6	5	1.0
1947	2	0.4	33	6.1	13	2.4	3	0.6	4	0.7
1948	3	0.5	13	2.3	12	2.2	1	0.2	6	1.1
1949	3	0.5	13	2.3	3	0.5	3	0.5	13	2.3
1950	2	0.3	23	3.9	-	0.0	1	0.2	3	0.5
1951	-	0.0	30	5.0	9	1.5	5	0.8	6	1.0
1952	1	0.2	22	3.7	4	0.7	4	0.7	8	1.3
1953	3	0.5	59	9.6	4	0.6	2	0.3	14	2.3
1954	3	0.5	6	1.0	5	0.8	6	1.0	9	1.4
1955	1	0.2	12	1.9	4	0.6	5	0.8	8	1.3
1956	1	0.2	4	0.6	1	0.2	7	1.1	-	0.0
1957	1	0.1	25	3.7	3	0.4	3	0.4	2	0.3
1958	-	0.0	14	2.1	2	0.3	4	0.6	5	0.8
1959	-	0.0	15	2.2	5	0.7	3	0.4	2	0.3
1960	-	0.0	37	5.5	1	0.1	3	0.4	7	1.0
1961	-	0.0	8	1.2	1	0.1	1	0.1	1	0.1
1962	-	0.0	12	1.7	-	0.0	4	0.6	-	0.0
1963	-	0.0	31	4.4	-	0.0	3	0.4	-	0.0
1964	-	0.0	29	4.1	2	0.3	2	0.3	-	0.0
1965	-	0.0	5	0.7	-	0.0	3	0.4	-	0.0
1966	-	0.0	49	7.0	-	0.0	2	0.3	-	0.0
1967	-	0.0	3	0.4	-	0.0	2	0.3	-	0.0
1968	-	0.0	30	4.3	-	0.0	2	0.3	1	0.1
1969	-	0.0	38	5.5	2	0.3	2	0.3	-	0.0
1970	2	0.3	8	1.2	-	0.0	1	0.1	-	0.0
1971	-	0.0	9	1.3	2	0.3	2	0.3	1	0.1

*DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION
DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA FOR 1946-71 ARE BY PLACE OF RESIDENCE.

TABLE 16. CONTINUED
COMMUNICABLE DISEASE HISTORICAL MORTALITY STATISTICS

MONTANA, 1910-1971, CONTINUED

YEAR	SCARLET FEVER		SMALLPOX		TUBERCULOSIS		TYPHOID FEVER		WHOPPING COUGH	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	61	16.2	2	0.5	340	90.4	151	40.2	41	10.9
1915	16	3.4	1	0.2	530	113.2	57	12.2	36	7.7
1916	19	3.9	2	0.4	521	107.2	53	10.9	79	16.3
1917	85	16.9	6	1.2	549	108.9	79	15.7	43	8.5
1918	71	13.6	6	1.1	504	96.6	53	10.2	64	12.3
1919	57	10.6	9	1.7	480	88.9	39	7.2	13	2.4
1920	22	4.0	2	0.4	419	76.4	27	4.9	51	9.3
1921	10	1.8	3	0.5	356	65.1	20	3.7	69	12.6
1922	19	3.5	2	0.4	383	70.1	21	3.8	8	1.5
1923	17	3.1	3	0.6	395	72.5	16	2.9	23	4.2
1924	32	5.9	3	0.6	434	79.8	16	2.9	26	4.8
1925	21	3.9	-	0.0	396	73.0	24	4.4	63	11.6
1926	25	4.6	1	0.2	377	69.6	14	2.6	45	8.3
1927	32	5.9	1	0.2	373	69.0	15	2.8	15	2.8
1928	10	1.9	4	0.7	357	66.2	16	3.0	49	9.1
1929	16	3.0	1	0.2	357	66.3	32	5.9	21	3.9
1930	15	2.8	1	0.2	337	62.7	16	3.0	16	3.0
1931	11	2.0	-	0.0	329	60.9	12	2.2	46	8.5
1932	7	1.3	-	0.0	307	56.6	13	2.4	22	4.1
1933	12	2.2	-	0.0	282	51.8	14	2.6	15	2.8
1934	11	2.0	-	0.0	265	48.5	17	3.1	24	4.4
1935	22	4.0	1	0.2	257	46.8	12	2.2	22	4.0
1936	44	8.0	3	0.5	221	40.1	8	1.5	16	2.9
1937	12	2.2	2	0.4	241	43.5	11	2.0	14	2.5
1938	9	1.6	1	0.2	241	43.4	5	0.9	47	8.5
1939	8	1.4	-	0.0	248	44.5	1	0.2	16	2.9
1940	7	1.3	-	0.0	231	41.3	3	0.5	5	0.9
1941	9	1.7	-	0.0	214	40.4	2	0.4	6	1.1
1942	3	0.6	-	0.0	201	40.2	1	0.2	12	2.4
1943	3	0.6	-	0.0	206	43.8	4	0.9	18	3.8
1944	2	0.4	-	0.0	175	35.9	1	0.2	10	2.1
1945	1	0.2	-	0.0	171	33.9	2	0.4	2	0.4
1946	-	0.0	-	0.0	164	31.4	2	0.4	2	0.4
1947	-	0.0	-	0.0	152	28.2	1	0.2	6	1.1
1948	-	0.0	-	0.0	146	26.2	-	0.0	6	1.1
1949	4	0.7	-	0.0	109	19.0	1	0.2	2	0.3
1950	-	0.0	-	0.0	114	19.3	-	0.0	10	1.7
1951	-	0.0	-	0.0	85	14.3	1	0.2	1	0.2
1952	-	0.0	-	0.0	79	13.1	1	0.2	1	0.2
1953	1	0.2	-	0.0	77	12.5	-	0.0	4	0.6
1954	-	0.0	-	0.0	62	9.9	-	0.0	1	0.2
1955	-	0.0	-	0.0	50	7.9	-	0.0	1	0.2
1956	-	0.0	-	0.0	48	7.3	-	0.0	1	0.2
1957	-	0.0	-	0.0	68	10.2	-	0.0	2	0.3
1958	-	0.0	-	0.0	45	6.8	-	0.0	-	0.0
1959	-	0.0	-	0.0	37	5.5	-	0.0	-	0.0
1960	-	0.0	-	0.0	31	4.6	-	0.0	1	0.1
1961	-	0.0	-	0.0	24	3.5	1	0.1	-	0.0
1962	-	0.0	-	0.0	32	4.5	-	0.0	-	0.0
1963	-	0.0	-	0.0	27	3.8	-	0.0	-	0.0
1964	-	0.0	-	0.0	28	4.0	1	0.1	-	0.0
1965	-	0.0	-	0.0	22	3.1	-	0.0	-	0.0
1966	-	0.0	-	0.0	21	3.0	-	0.0	-	0.0
1967	-	0.0	-	0.0	17	2.4	-	0.0	-	0.0
1968	-	0.0	-	0.0	15	2.2	-	0.0	-	0.0
1969	-	0.0	-	0.0	16	2.3	-	0.0	-	0.0
1970	-	0.0	-	0.0	12	1.7	-	0.0	-	0.0
1971	-	0.0	-	0.0	10	1.4	-	0.0	1	0.1

*DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION
DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA FOR 1946-71 ARE BY PLACE OF RESIDENCE.

TABLE 17
SELECTED CAUSE-SPECIFIC DEATH RATES
MONTANA, 1910-1971

YEAR	ACCIDENTS						ALCOHOLISM		CANCER	
	TOTAL		MOTOR VEHICLE		OTHER		NUMBER	RATE*	NUMBER	RATE*
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*				
1910	514	136.7	5	1.3	509	135.4	56	14.9	157	41.7
1915	556	118.8	31	6.6	525	112.2	66	14.1	223	47.6
1916	695	143.0	42	8.6	653	134.4	86	17.7	247	50.8
1917	870	172.6	59	11.7	811	160.9	124	24.6	278	55.2
1918	625	119.7	64	12.3	561	107.5	60	11.5	279	53.5
1919	509	94.3	44	8.1	465	86.1	10	1.9	302	55.9
1920	473	86.3	45	8.2	428	78.1	10	1.8	282	51.4
1921	388	70.9	48	8.8	340	62.1	19	3.5	315	57.6
1922	433	79.3	48	8.8	385	70.5	22	4.0	343	62.8
1923	470	86.2	49	9.0	421	77.2	25	4.6	333	61.1
1924	519	95.4	70	12.9	449	82.5	15	2.8	363	66.7
1925	505	93.0	98	18.1	407	75.0	41	7.6	379	69.8
1926	477	88.0	101	18.6	376	69.4	27	5.0	401	74.0
1927	506	93.6	77	14.2	429	79.4	58	10.7	414	76.6
1928	568	105.3	139	25.8	429	79.5	48	8.9	449	83.2
1929	526	97.7	126	23.4	400	74.3	60	11.1	467	86.7
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1931	510	94.4	127	23.5	383	70.9	33	6.1	420	77.7
1932	442	81.5	98	18.1	344	63.4	15	2.8	513	94.6
1933	508	93.3	119	21.8	389	71.4	24	4.4	508	93.3
1934	576	105.3	209	28.2	367	67.1	20	3.7	477	87.2
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1936	660	119.7	174	31.6	486	88.2	25	4.5	567	102.9
1937	599	108.2	177	32.0	422	76.2	32	5.8	566	102.3
1938	587	105.6	143	25.7	444	79.9	27	4.9	557	100.2
1939	531	95.2	149	26.7	382	68.5	23	4.1	643	115.3
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1941	548	103.4	182	34.3	366	69.1	19	3.6	644	121.5
1942	468	93.6	105	21.0	363	72.6	16	3.2	643	128.6
1943	580	123.4	87	18.5	493	104.9	12	2.6	613	130.4
1944	494	101.4	106	21.8	388	79.6	7	1.4	681	139.7
1945	498	98.7	118	23.4	380	75.3	13	2.6	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	871	139.6
1955	545	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	931	141.9
1957	541	81.1	219	32.8	322	48.3	20	3.0	873	130.9
1958	497	74.6	206	30.9	291	43.7	18	2.7	838	125.8
1959	565	84.4	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,004	143.2
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,050	147.9

*DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION
DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA FOR 1946-71 ARE BY PLACE OF RESIDENCE.

TABLE 17. CONTINUED
SELECTED CAUSE-SPECIFIC DEATH RATES
MONTANA, 1910-1971. CONTINUED

YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*	NUMBER	RATE*
1910	38	10.1	257	68.3	37	9.8	222	59.0	282	75.0	81	21.5
1915	65	13.9	407	87.0	53	11.3	339	72.4	511	109.2	103	22.0
1916	74	15.2	469	96.5	86	17.7	359	73.9	536	110.3	113	23.2
1917	65	12.9	477	94.6	92	18.3	358	71.0	690	136.9	113	22.4
1918	78	14.9	476	91.2	58	11.1	322	61.7	1,298	248.7	97	18.6
1919	54	10.0	448	83.0	43	8.0	265	49.1	530	98.2	86	15.9
1920	60	10.9	428	78.1	46	8.4	273	49.8	576	105.0	86	15.7
1921	57	10.4	523	95.6	41	7.5	279	51.0	412	75.3	94	17.2
1922	71	13.0	695	108.9	42	7.7	298	54.6	482	88.3	88	16.1
1923	58	10.6	675	105.5	26	4.8	267	49.0	399	73.2	77	14.1
1924	52	9.6	645	118.6	37	6.8	295	54.2	364	66.9	79	14.5
1925	64	11.8	672	123.8	51	9.4	301	55.4	437	80.5	102	18.8
1926	76	14.0	695	128.3	45	8.3	236	43.6	501	92.5	92	17.0
1927	71	13.1	815	150.7	37	6.8	325	60.1	372	68.8	113	20.9
1928	97	18.0	864	160.1	44	8.2	333	61.7	458	84.9	110	20.4
1929	82	15.2	809	150.3	54	10.0	395	73.4	439	81.5	116	21.5
1930	87	16.2	859	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1931	83	15.4	915	169.3	39	7.2	336	62.2	384	71.1	126	23.3
1932	87	16.0	1,065	196.3	45	8.3	348	64.1	348	64.1	125	23.0
1933	91	16.7	1,087	199.6	30	5.5	315	57.8	321	58.9	114	20.9
1934	119	21.8	1,217	204.2	39	7.1	350	64.0	416	76.1	104	19.0
1935	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1936	125	22.7	1,248	226.4	26	4.7	347	62.9	631	114.5	102	18.5
1937	118	21.3	1,395	252.1	27	4.9	305	55.1	528	95.4	101	18.2
1938	118	21.2	1,308	235.4	26	4.7	314	56.5	355	63.9	103	18.5
1939	112	20.1	1,486	266.4	27	4.8	327	58.6	310	55.6	106	19.0
1940	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1941	110	20.8	1,485	280.2	18	3.4	272	51.3	262	49.4	93	17.5
1942	108	21.6	1,577	315.4	17	3.4	284	56.8	235	47.0	98	19.6
1943	116	24.7	1,564	332.7	15	3.2	271	57.7	248	52.8	68	14.5
1944	126	25.9	1,660	340.7	13	2.7	292	59.9	250	51.3	53	10.9
1945	129	25.6	1,803	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	123	18.4	2,382	356.0	29	4.3	58	8.7	231	34.5	97	14.5
1960	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5

*DEATHS PER 100,000 ESTIMATED MIDYEAR POPULATION

DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. DATA FOR 1946-71 ARE BY PLACE OF RESIDENCE.

MARRIAGE AND DIVORCE

AGE

PREVIOUS MARITAL STATUS

RACE

MONTH OF OCCURRENCE

LEGAL GROUNDS

NUMBER OF CHILDREN

MARRIAGE AND DIVORCE

Background

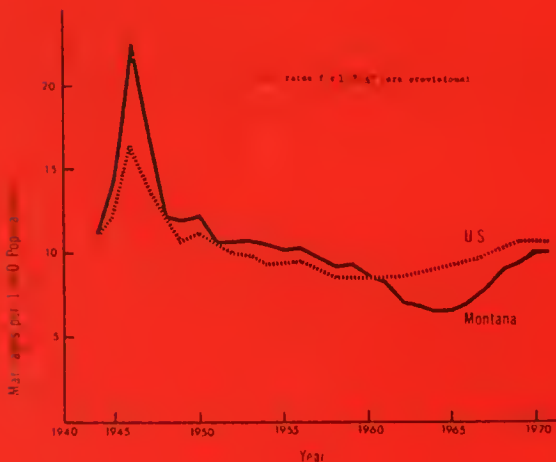
The registration systems for marriage and divorce in the United States lag behind those for births, deaths and fetal deaths. There are still states in the United States that do not have central files of these records. For this reason it is not possible to exchange certificates of marriage or divorce for Montana residents that occur in another state. The tabulations in this report include only events that occurred in Montana.

The reporting of marriages and divorces also differs from that of births, deaths, and fetal deaths in another way. In the case of the latter three kinds of records, the original is filed with the Bureau of Records and Statistics. For marriages and divorces, the original instrument is kept by the Clerk of District Court. The original marriage documents are filed in the county where the application for marriage license was made. Divorces are preserved for reference in the county where the divorce was granted. For both kinds of records, a statistical transcript is prepared by the Clerk of District Court and forwarded to the Bureau of Records and Statistics for statistical tabulation and compilation of a central state index.

Marriage

As is traditional, the greatest number of marriages in 1971 occurred in June (980). The number of marriages continued high through the following three months. A second peak occurred in December (753). The lowest incidence of marriage fell in January with 11.7 marriages per day.

CHART 8
Marriage Rates: Montana & U.S.
1944-1971



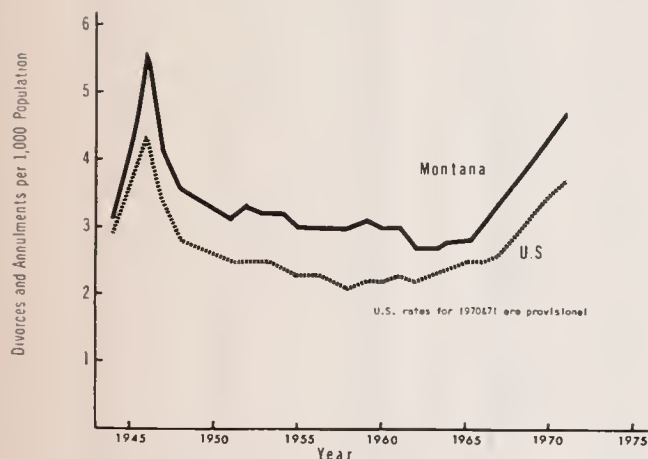
The marriage rate for Montana was 10.0 marriages per thousand estimated population. This is the same rate as in 1970.

Considering all marriages, grooms were 2.3 years older than their brides. The median age for grooms was 22.3 years; for brides 20.0 years. For persons marrying for the first time, the median age for grooms was 21.2 years; for brides, 19.1 years. The average age for grooms who were widowers was 55.6 years; for widows who remarried, 50.5 years. Grooms who had been divorced had a median age at marriage of 32.0 years; the median age for divorced brides was 28.1 years. Of grooms marrying for the first time, 19.5% were teenagers. The comparable proportion for brides was 48.5%.

About three-fourths (75.8%) of Montana marriages were solemnized by a clergyman, 24.1% were performed by a civil official and three were marriages by declaration.

Most of the marriages in Montana in 1971 involved persons marrying a spouse of the same race (97.6%). Only 2.4% involved racial intermarriage.

CHART 9
Divorce Rates Montana & U.S.
1944 - 1971



Divorce

There were 3,366 marital dissolutions in Montana in 1971. Of these, 3,005 were divorces and 361 were annulments. There were 4.7 marital dissolutions per thousand estimated population. This is 27% higher than the rate for the United States (3.7).

The divorce rates (including both divorces and annulments) for both Montana and the United States have been up sharply since the middle of the 1960's decade. The Montana divorce rate has exceeded that for the United States since 1943, the year state files of divorce records were started in Montana.

Of the 3,005 divorces 2,878 (95.8%) showed the legal cause as "extreme cruelty". For annulments, the leading cause was "fraud" with 339 comprising 93.9% of all annulments.

There were 4,509 children affected by marital dissolution in Montana in 1971. This is 1.3 children per divorce or 2.2 per family with children.

TABLE 18
MARRIAGES, DIVORCES, AND ANNULMENTS

MONTANA COUNTIES, 1971

COUNTY	MARRIAGES		MARRIAGE DISSOLUTIONS	
	LICENSE ISSUED	SOLEMNIZED	DIVORCES	ANNULMENTS
MONTANA, TOTAL	7,128	7,128	3,005	361
BEAVERHEAD	69	63	22	3
BIG HORN	76	75	48	1
BLAINE	67	78	11	-
BROADWATER	26	30	23	3
CARDON	46	60	26	4
CARTER	6	9	1	-
CASCADE	877	864	326	39
CHOUTEAU	53	55	30	5
CUSTER	93	102	51	1
DANIELS	30	30	9	-
DAWSON	123	136	31	1
DEER LODGE	161	184	50	6
FALLON	33	37	12	-
FERGUS	110	133	39	3
FLATHEAD	467	465	202	16
GALLATIN	394	355	94	8
GARFIELD	15	10	2	-
GLACIER	101	101	56	3
GOLDEN VALLEY	5	5	1	-
GRANITE	25	28	4	-
HILL	181	177	82	4
JEFFERSON	32	30	16	2
JUDITH BASIN	12	16	3	1
LAKE	116	154	70	4
LEWIS & CLARK	405	393	152	35
LIBERTY	21	12	1	1
LINCOLN	186	194	98	14
MCCONE	16	18	3	-
MADISON	25	34	9	3
MEAGHER	21	21	5	2
MINERAL	23	33	15	1
MISSOULA	776	673	370	55
MUSSELSHELL	33	45	20	8
PARK	104	113	62	9
PETROLEUM	7	4	3	-
PHILLIPS	46	50	12	-
PONDERA	61	63	34	10
POWDER RIVER	22	22	4	-
POWELL	66	68	22	4
PRAIRIE	15	12	1	-
RAVALLI	137	158	57	7
RICHLAND	121	120	31	1
ROOSEVELT	111	121	47	1
ROSEBUD	42	42	26	2
SANDERS	59	59	21	3
SHERIDAN	56	63	14	-
SILVER BOW	393	386	211	32
STILLWATER	39	38	13	4
SWEET GRASS	41	39	10	2
TETON	37	46	9	1
TOOLE	64	67	24	5
TREASURE	7	5	1	-
VALLEY	99	108	52	1
WHEATLAND	24	27	8	-
WIBAUX	15	16	2	-
YELLOWSTONE	938	881	459	56

TABLE 19
MARRIAGE AND DIVORCE
MONTANA, 1944-1971

YEAR	MARRIAGES		DIVORCES AND ANNULMENTS	
	NUMBER	RATE*	NUMBER	RATE*
1944	6,433	11.2	1,745	3.1
1945	9,147	14.2	2,380	4.1
1946	12,974	22.4	3,212	5.6
1947	9,769	16.8	2,439	4.2
1948	7,131	12.2	2,090	3.6
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	6,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	6,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,047	4.4
1971	7,128	10.0	3,366	4.7

* PER 1,000 ESTIMATED POPULATION.

TABLE 20
MARRIAGES BY MONTH OF OCCURRENCE
MONTANA, 1971

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	7,128	100.0	JUNE	980	13.7
JANUARY	362	5.1	JULY	702	9.8
FEBRUARY	346	4.9	AUGUST	839	11.8
MARCH	508	7.1	SEPTEMBER	712	10.0
APRIL	439	6.2	OCTOBER	481	6.7
MAY	469	6.6	NOVEMBER	537	7.5
			DECEMBER	753	10.6

TABLE 21

MARRIAGES BY AGE AND PREVIOUS MARITAL STATUS OF BRIDE AND GROOM

MONTANA, 1971

AGE	BRIDE					GROOM				
	TOTAL	PREVIOUS MARITAL STATUS				TOTAL	PREVIOUS MARITAL STATUS			
		SINGLE	WIDOWED	DIVORCED	NOT STATED		SINGLE	WIDOWED	DIVORCED	NOT STATED
TOTAL	7,128	5,409	324	1,393	2	7,128	5,455	253	1,419	1
UNDER 15	7	7	-	-	-	-	-	-	-	-
15-19	2,660	2,614	2	44	-	1,069	1,065	-	4	-
20-24	2,854	2,458	14	382	-	3,502	3,276	5	221	-
25-29	588	244	20	323	1	1,145	797	10	338	-
30-34	266	49	15	202	-	408	168	6	234	-
35-39	192	15	24	153	-	258	63	11	184	-
40-44	156	4	27	125	-	185	25	14	146	-
45-49	115	7	40	68	-	161	27	26	108	-
50-54	109	3	49	57	-	139	14	41	84	-
55-59	77	-	55	22	-	101	10	36	55	-
60-64	45	4	30	11	-	59	4	28	27	-
65-69	35	4	28	3	-	44	2	32	10	-
70-74	13	-	10	2	1	22	2	18	2	-
75 AND OVER	9	-	9	-	-	35	2	26	6	1
NOT STATED	2	-	1	1	-	-	-	-	-	-

TABLE 22

FIRST MARRIAGES* BY AGE OF BRIDE BY AGE OF GROOM

MONTANA, 1971

AGE OF GROOM	AGE OF BRIDE											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	4,891	6	2,475	2,188	177	28	8	3	1	2	3	-
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	1,044	6	939	94	5	-	-	-	-	-	-	-
20-24	3,048	-	1,388	1,612	45	3	-	-	-	-	-	-
25-29	656	-	131	425	91	9	-	-	-	-	-	-
30-34	100	-	12	51	29	6	2	-	-	-	-	-
35-39	25	-	4	5	5	7	4	-	-	-	-	-
40-44	6	-	-	1	-	1	1	1	1	1	-	-
45-49	4	-	-	-	1	1	1	-	-	1	-	-
50-54	2	-	1	-	-	1	-	-	-	-	-	-
55 AND OVER	6	-	-	-	1	-	-	2	-	-	3	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM

TABLE 23
DIVORCES AND ANNULMENTS BY LEGAL GROUNDS FOR DECREE
MONTANA, 1971

TYPES OF DISSOLUTION AND LEGAL GROUNDS.	NUMBER
DIVORCES, TOTAL	3,005
EXTREME CRUELTY	2,876
DESERTION	91
NEGLECT	7
ADULTERY	14
CONVICTION OF A FELONY	8
INSANITY	4
INTEMPERANCE	3
OTHER	2
ANNULMENTS, TOTAL	361
FRAUD	339
FORMER MARRIAGE IN EFFECT	9
OTHER	13

TABLE 24
MARITAL DISSOLUTIONS* BY AGE OF HUSBAND AND BY AGE OF WIFE
MONTANA, 1971

AGE OF HUSBAND	A G E O F W I F E											
	TOTAL ALL AGES	UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55 AND OVER	NOT STATED
TOTAL, ALL AGES	3,366	-	234	883	674	473	374	283	184	116	125	20
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	49	-	38	9	1	-	-	1	-	-	-	-
20-24	661	-	161	456	38	5	1	-	-	-	-	-
25-29	684	-	21	313	308	30	7	2	1	1	-	1
30-34	530	-	10	67	223	178	30	15	4	1	1	1
35-39	419	-	3	18	61	164	132	31	7	2	1	-
40-44	361	-	-	13	26	64	125	93	26	8	6	-
45-49	252	-	-	5	7	21	45	87	62	20	4	1
50-54	181	-	-	1	5	7	20	38	51	42	16	1
55 AND OVER	208	-	-	-	3	4	13	16	32	42	97	1
NOT STATED	21	-	1	1	2	-	1	-	1	-	-	15

* INCLUDES BOTH DIVORCES AND ANNULMENTS

TABLE 25

MARITAL DISSOLUTIONS* BY NUMBER OF CHILDREN** BY AGE OF MOTHER

MONTANA, 1971

AGE OF MOTHER	NUMBER OF CHILDREN											
	TOTAL	NONE	1	2	3	4	5	6	7	8	9 OR MORE	NOT STATED
TOTAL	3,366	1,295	759	654	359	171	63	35	12	3	5	10
UNDER 15	-	-	-	-	-	-	-	-	-	-	-	-
15-19	234	118	93	22	-	-	-	-	-	-	-	1
20-24	883	345	307	182	40	7	1	-	-	-	-	1
25-29	674	179	139	196	102	38	9	10	-	-	-	1
30-34	473	120	62	96	95	53	27	9	9	1	1	-
35-39	374	102	36	71	76	53	19	10	2	2	2	1
40-44	283	120	59	48	27	15	5	6	-	-	1	2
45-49	184	100	40	26	11	2	1	-	1	-	1	2
50-54	116	86	16	9	4	1	-	-	-	-	-	-
55-59	65	60	2	-	1	1	-	-	-	-	-	1
60-64	37	36	-	-	-	-	-	-	-	-	-	1
65-69	19	19	-	-	-	-	-	-	-	-	-	-
70-74	4	4	-	-	-	-	-	-	-	-	-	-
75 AND OVER	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	20	6	5	4	3	1	1	-	-	-	-	-

* INCLUDES BOTH DIVORCES AND ANNULMENTS

** NUMBER OF CHILDREN UNDER 18 YEARS OF AGE

TABLE 26

MARRIAGES BY RACE OF BRIDE AND GROOM

MONTANA, 1971

GROOM	BRIDE							
	TOTAL	WHITE	NEGRO	INDIAN	CHINESE	JAPANESE	HAWAIIAN	OTHER
TOTAL	7,128	6,853	8	244	8	7	-	8
WHITE	6,881	6,782	2	77	8	5	-	7
NEGRO	21	12	6	3	-	-	-	-
INDIAN	216	52	-	164	-	-	-	-
CHINESE	2	2	-	-	-	-	-	-
JAPANESE	3	1	-	-	-	2	-	-
HAWAIIAN	-	-	-	-	-	-	-	-
OTHER	5	4	-	-	-	-	-	1

MORBIDITY

TUBERCULOSIS

RUBELLA

MEASLES

COUGH

WHOOPING

RHEUMATIC FEVER

POLYOMYELITIS

OTHERS

Table 27

REPORTED CASES OF REPORTABLE DISEASES
Montana Counties, 1971
(By place of residence)

County	Aspic Meningitis	Brucellosis	Diphtheria	Encephalitis, Infections		Gonorrhea	Hepatitis, Infectious and Serum	Measles (Rubeola)	Rubella (German Measles)	Ventriculococcal Infections	Pertussis (Whooping Cough)	Rabies		Rocky Mountain Spotted Fever	Salmonellosis		Shigellosis	Streptococcal Including Sore Throat	Scarlet Fever	Syphilis*	Tetanus	Trichinosis	Tuberculosis	Tularemia	Typhus Fever Endemic
				Primary and Unspecified	Post-infectious							In Man	In Animals		Typhoid Fever	Other									
Montana, Total	10	-	-	-	11	1121	238	924	126	4	26	2	2	14	3	84	89	4492	14	-	-	-	78	2	-
Beaverhead	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Big Horn	-	-	-	-	-	105	28	22	1	1	-	-	-	3	-	4	23	717	2	-	-	-	1	-	-
Blaine	1	-	-	-	-	10	6	2	-	-	-	-	-	-	-	-	-	251	1	-	-	-	4	-	-
Broadwater	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	-	-	-	-	-	4	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	2	-	-	-	2	126	26	109	19	-	1	-	-	-	-	10	2	6	-	-	-	-	4	-	-
Chouteau	-	-	-	-	-	1	-	11	3	-	-	-	-	1	-	-	-	21	-	-	-	-	-	-	-
Custer	-	-	-	-	-	15	2	-	2	-	-	-	-	-	-	1	-	166	-	-	-	-	2	-	-
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-
Dawson	-	-	-	-	-	7	1	-	-	-	-	-	-	-	-	1	-	49	-	-	-	-	1	-	-
Deer Lodge	-	-	-	-	1	14	1	25	2	-	-	-	-	-	-	1	-	456	-	-	-	6	-	-	-
Fallon	-	-	-	-	1	4	2	-	-	-	6	-	-	-	-	1	-	269	-	-	-	-	-	-	-
Fergus	-	-	-	-	5	5	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	3	-	-
Flathead	-	-	-	-	-	44	1	241	37	-	-	-	-	1	-	-	-	62	1	-	-	-	3	-	-
Gallatin	-	-	-	-	1	23	4	35	30	1	-	-	-	1	-	1	-	531	1	-	-	-	-	-	-
Garfield	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	-	-	-	-
Glacier	-	-	-	-	76	76	-	4	1	-	1	-	-	-	-	8	1	59	1	-	-	8	-	-	-
Golden Valley	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	-	-	-	-	1	49	17	2	6	-	-	-	-	1	-	2	7	205	2	-	-	-	1	-	-
Jefferson	-	-	-	-	3	3	3	-	-	-	-	-	-	-	-	-	1	3	-	-	-	1	-	-	-
Judith Basin	-	-	-	-	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-
Lake	1	-	-	-	-	5	-	59	4	-	-	-	-	-	-	-	-	78	1	-	-	-	2	-	-
Lewis & Clark	-	-	-	-	-	34	3	5	-	-	5	1	-	1	-	1	-	183	1	-	-	-	-	-	-
Liberty	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	1	1	134	-	-	-	-	1	-	-
Lincoln	-	-	-	-	-	24	1	53	2	-	-	-	-	2	-	-	-	5	-	-	-	-	-	-	-
Madison	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 27, Continued

REPORTED CASES OF REPORTABLE DISEASES
Montana Counties, 1971
(By place of residence)

County	Aseptic Meningitis	Brucellosis	Diphtheria	Encephalitis, Infections		Gonorrhea	Hepatitis, Infectious and Serum	Measles (Rubeola)	Rubella (German Measles)	Meningococcal Infections	Pertussis (Whooping Cough)	Poliomyelitis	Rabies		Rheumatic Fever	Rocky Mountain Spotted Fever	Salmonellosis		Shigellosis	Streptococcal Including Sore Throat Scarlet Fever	Syphilis*	Tetanus	Trichinosis	Tuberculosis	Tularemia	Typhus Fever Endemic
				Primary and Unspecified	Post-infectious								In Man	In Animals			Typhoid Fever	Other								
Mineral	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Missoula	3	1	1	2	1	182	41	136	3	1	10	1	1	1	1	2	10	1	2	175	1	1	1	3	1	1
Musselshell	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1	1	1	1	1	1
Park	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Petroleum	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Phillips	1	1	1	1	1	4	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pondera	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Powder River	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1
Powell	1	1	1	1	1	11	1	91	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Prairie	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ravalli	1	1	1	1	1	5	5	84	3	1	1	1	1	1	1	1	1	1	1	162	1	1	1	1	1	1
Richland	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Roosevelt	1	1	1	1	1	61	29	7	1	1	1	1	1	1	1	1	1	1	31	79	1	1	1	1	1	1
Rosebud	1	1	1	1	1	36	9	1	4	1	1	1	1	1	1	1	1	1	14	192	1	1	1	1	1	1
Sanders	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sheridan	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Silver Bow	1	1	1	1	1	13	1	3	4	1	1	1	1	1	1	1	1	1	2	133	2	1	1	1	1	1
Stillwater	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sweet Grass	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	142	1	1	1	1	1	1
Teton	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Toole	1	1	1	1	1	7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Treasure	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Valley	1	1	1	1	1	26	3	1	1	1	1	1	1	1	1	1	1	1	2	185	1	1	1	1	1	1
Wheatland	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Wilbax	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Yellowstone	1	1	1	1	1	196	32	32	3	1	1	1	1	1	1	1	1	1	1	55	1	1	1	1	1	1

*Civilian Cases only

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